



KNOWLEDGE ORGANISER – St Gregory’s RC Primary School

Topic: Design Technology

Year Group: 1 Autumn 1

Strand: Structures – Free Standing Structures - House for your teddy bear

What I should already know	Sticky knowledge	Key skills
<ul style="list-style-type: none"> • I know how to join a range of materials. • I can explain what I want to design and make by using pictures and words. • I can describe how my idea will work • I know how to use pictures and words to explain what I want to design and make • I know how to discuss what I like and dislike about my products. • I can name the tools I am using. 	<ul style="list-style-type: none"> • I know that structures are things that are built for a purpose. • I know that free-standing structures are structures that can stand up without being attached to something else. • I can create and make a free-standing structure. • I know how to make a simple structure more stable. 	<p>Design:</p> <ul style="list-style-type: none"> • I can develop my ideas through discussions. • I can use simple drawings and labels to design a product. • I can mock-ups e.g. recycled material trial models to try out my ideas <p>Make:</p> <ul style="list-style-type: none"> • I can choose materials for its suitability and appearance. • I can explain what materials I need and why. • I can measure materials I will use. • I can join materials in a variety of ways to make hinges. <p>Evaluate:</p> <ul style="list-style-type: none"> • I know why a model has/has not be successful. • I can explain what went well with my product. <p>Technical knowledge:</p> <ul style="list-style-type: none"> • I can join materials using a variety of temporary ways. • I can use buttresses, layering or folding make structures stronger. • I can name the tools I intend to use.
Design brief		
<p>Read the story Where is my Teddy By Jez Alborough as a stimulus first. Can you make a house for your Teddy Bear to Live in?</p>		

Vocabulary		Diagrams/Pictures
Cut	Using a knife to slice food into smaller pieces	 
Design	A drawing or idea to show how a product will look or work before it is made.	
Evaluate	To see how successful a product is after it has been made.	
Fix	To fasten something securely in place.	
Fold	Bend something over on itself so one part covers another.	
Framework	A structure that supports a building, vehicle or object.	
Join	A place where two or more things are fastened together.	
Make	Putting parts together to create something	
Strong	Something that cannot break easily	
Weak	Something that will break very easily when it is pushed or pulled	
User	Someone who uses something	