Golden Thread: Sustainability and Stewardship

Objectives and Sticky Knowledge

Previous Knowledge Recap:

To follow a design brief to create a windmill

Land Objectives and Sticky Knowledge:

To use templates and nets, selecting from basic crafting tools and materials (paper, card, scissors and glue) to create a functional windmill Explore different form of windmill structures, testing the finishing windmill



	0 '	or strengthen them, semble accurately.	structures.	strengthen or weaken structures.
 I know that the chair I needs to be strong, sti stable I can build a strong and structure by folding pates I can test the strength structure I know how to create j 	stiff oer of my stability structur than and structur than and structur than and structur than and structur	tand what is meant by and can identify when a e is more or less stable other he meaning of the words n, stiffness and stability	 I know that chairs are structures and need to be strong, stiff and stable I can identify natural and man-made structures 	 I know that shapes and structures with wide, flat bases or legs are the most stable I know there are different ways paper can be folded to improve its strength and stiffness I know how to create joints and structures from paper/card and tape

Links with 'Sustainability and Stewardship' Golden Thread:

according to the design criteria

Links with CST and CKA Values Crown:



Year 2 D&T – Structures

Golden Thread: Sustainability and Stewardship

Structures - Baby bear's chair

Function	How something works.		
Man-made	Made by people.		
Mould	To form different shapes out of soft, squishy materials.		
Natural	Found in nature e.g. spider's web, sheep's wool.		
Stable	Object does not easily topple over.		
Stiff	A material or object that does not bend easily (e.g. wood).		
Strong	Something that is not easily broken (e.g. wood, brick, building).		
Structure	Something that has been made and put together and can usually stand on its own (e.g. a building, a bridge, a chair).		
Test	To find out whether something works as it should.		
Weak	Something that is easily broken (e.g. paper, egg shells)		

Natural Objects Man-made Objects

Key facts

Often structures have a certain function, they are made to do something. e.g. Chairs are for sitting on.



They should be **stable**, **strong** and comfortable. Was baby bear's chair **stable** and **strong**?







Kapow

Sky Objectives:

- •Generate and communicate ideas using sketching and modelling.
- •Make a structure according to a design criteria.
- •Evaluating own design against a design criteria given.