



Year 2 DT - Freestanding Structures

EXAMPLE:
The designing, making and evaluating process to make a strong chair for Baby Bear

Key vocabulary

Freestanding structure	Can stand on its own base without being attached to anything else
Structure	Something made or build from parts e.g. a building
Weak	Easy to break and can't hold heavy weights
Strong	Difficult to break and can hold heavy weights
Base	The bottom part of an object
Join	To connect or fasten things together
Stability	How likely it is to stand on its own or fall over if a force is applied
Buttress	A structure added to a wall or tower to make it more stable / to reinforce it
User	Who the product is being made for
Purpose	What will be product be used for

THOUGHT	ACTION
What sort of chair shall I make? Who is it for and what is it for?	Choose an appropriate soft toy Generating ideas through talking and drawing based on own experiences
How can I make sure it is strong, stiff and stable?	Developing ideas using construction kits to create mock-ups
Which joining techniques will work best for the chair?	Exploring and evaluating joining techniques
What media, materials and kits will I use?	Exploring and evaluating construction kits, new and reclaimed materials
What shall I do first? What tools and techniques will I use? What materials shall I use?	Selecting from a range of tools, techniques and materials Explaining choices
More thoughts... judging, planning, generating new ideas	More actions... making, testing, modifying
Will the chair meet the needs of the user and achieve its purpose?	Evaluating the chair with a soft toy and against design criteria

Techniques for assembling freestanding structures

