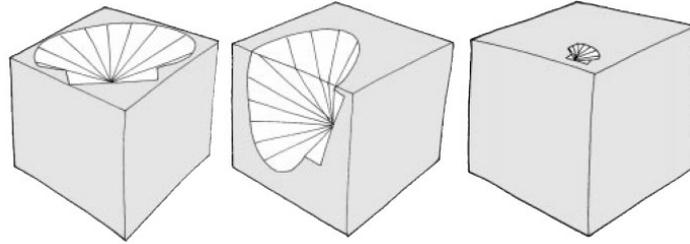


Making a box construction



Prior Knowledge

During Year 3 in maths, you created different shapes from nets, you will use this knowledge to create and design 3D shapes from 2D nets. In Year 3 and KS1, you learnt about cutting and joining materials, you will use this knowledge to do this again

Future Knowledge:

During Year 5 & 6, you will produce games for the younger year groups as part of a Christmas fayre. In Year 6, you will also learn how to produce a torch. You will use your electricity knowledge from science in Year 4 to do this and, you will use your knowledge of creating and fixing structures in both projects.

My Component Knowledge:

Lesson 1: I can explore and discuss the differences between different types of lids.

Lesson 2: I can explore how 2D nets create 3D shapes.

Lesson 3: I can make design choices based on the purpose of my product.

Lesson 4: I can create a design specification based on my research and exploration.

Lesson 5: I can follow a design specification to create a product.

Lesson 6: I can critically evaluate my own product and the work of others.

My Composite Knowledge:

I can research and explore design choices that fit with the item or product that I am aiming to produce. I can make carefully considered choices based on my exploration.

My Powerful Knowledge:

I understand the process of designing, creating and evaluating a product and that sometimes changes need to be made throughout the process in order to have the best quality end product. I know that critically evaluating my work is an important step in the process and enables me to improve my work further.

Key Vocabulary

Tier 1: make, card, felt, join, fix, shape, net

Tier 2: design, re-search, brief, product

Tier 3: prototype, evaluate, consumer, aesthetic

What is a design specification?



What is important to you when keeping things stored safely?

