

Biscuit box
Shell structures



Year 3
Design Technology

DT project

Vocabulary

Freestanding structure

A structure that stands on its base without attachment to anything else.

Shell structure

A hollow structure with a thin outer covering.

Packaging

Materials used to wrap or protect goods

Nets

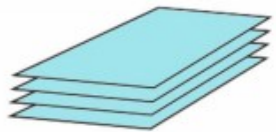
Flattened out 3D shape.

Scoring

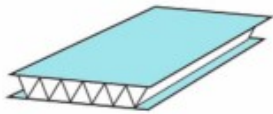
Partially cutting through the material along the line that will be folded. This creates flexibility.

Stiffen

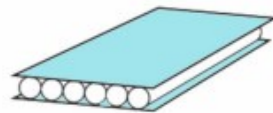
Supports and strengthens.



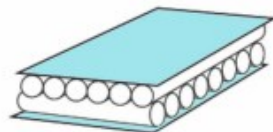
Laminating - glue together several layers of card



Corrugating - zig-zag a piece of paper or card and glue in between two layers of card



Ribbing - glue layers of straws between layers of card



My final product:

Evaluation

Functionality

Does my product fulfil the function it was designed for?

The making process

Here are some photographs of me making my final product.

Research

Today we investigated a selection of different shell structures.

Based on our discussion, choose the most effective packaging and answer these questions.

What material is it made from?

Cardboard tin plastic foil

Who do you think this box would appeal too? Tick.

A child—like you

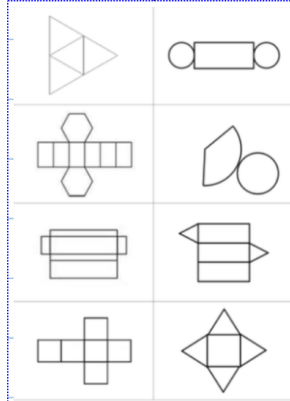
An adult—like your mum/dad

Your grandma/grandad

Why?

Skills

- Making a net using Computer Aided Design



Design decisions

Will it have any font on your biscuit box? What will it say/look like?



Design decisions

What will the front of your biscuit box look like?

Skills

Making nets of 3D shapes-
drawing, measuring, cutting and scoring
along an edge.

Which type of skill did you prefer?

Circle one.

Corrugating laminating ribbing

Why?

Photo of practising skills

Design decisions

User and purpose

Design, make and evaluate a biscuit box
for a Christmas.

Innovation

What does your product need to include/
design criteria? What is the purpose?

My product needs to:

- ⇒ _____
- ⇒ _____
- ⇒ _____
- ⇒ _____

What will you need?

Materials:

Tools:

What will your product look
like? (net)