



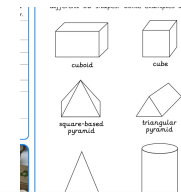
Year 3 - Structures - Product Packaging - Term 1

Key Vocabulary

Accurate	Correct and without mistakes.
CAD	Computer-aided design: designing on a screen.
Net	A flat shape that folds into a 3D object.
Tab	A flap used to join parts of a net.
Shell structure	A hollow shape with a thin outer surface.
Ribbing	Folds or extra layers that strengthen card.
Form	What something looks like.
Function	What something is designed to do.
Sustainable	Able to be reused or recycled with less harm.
Feedback	Advice about what works and could improve.

Packaging shapes

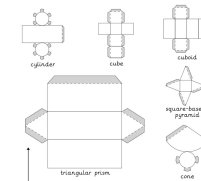
Packages can use cubes, cuboids, cylinders, cones and pyramids.



The form should suit the product inside.

From a net to a box

A net is cut, folded and joined using tabs to create a 3D package.



A carefully measured net folds accurately.

Strengthening packaging

Ribbing and inserted supports can help card resist bending and damage.



It can be glued to card.



They are slotted into the packaging.

Strong packaging protects what is inside.

To know statements

To evaluate how 3D shapes are used in product packaging.

To design nets for 3D product packaging.

To review and improve net designs for packaging.

To make 3D structures to package a healthy snack.

To use a design brief to finalise and evaluate packaging.

What can you remember from previous units?

What makes a structure strong and stable?

How can you join cardboard accurately?

Anything else you have learnt?

What have you enjoyed?