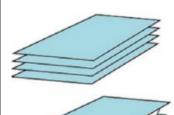


# Y3 Thinking like a Designer

#### Shell Structures

## Key Knowledge:

#### Stiffening and strengthening



#### Laminating

Glue together several layers of card



Zig-zag a piece of paper or card and glue in-between two layers or card.



### Ribbing

Glue layers of straws between layers of card.

# Structure

Shell

A shell structure has a thin curved outer layer and is hollow. These structures often are used to hold or protect something. They usually have only a small number of joins or no joins at all

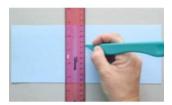


## Learning Questions

What is the difference between shall structures and packaging?

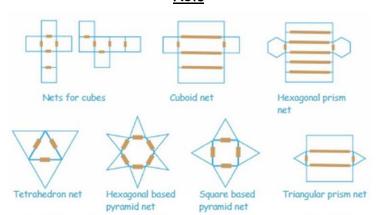
### <u>Scoring</u>

When a fold is needed, press a line into your paper to make it easier to fold accurately



How is packaging used?

<u>Nets</u>



How could you strengthen your packaging?

<u>Key Vocabulary</u>	
Shell Structures	A hollow structure with a thin outer covering
Strengthen	To make something stronger and able to withstand force.
Net	The flat or opened out shape of a 3D object such as a box.
Tab	A flap of paper that is used to join two edges.
Assemble	To fit all the cpmonents and parts together to create an object.
2D Shape	A flat shape that has two dimensions, length and width.
3D Shape	A solid shape that has three dimensions, length, width and height.

What are tabs used for in a net