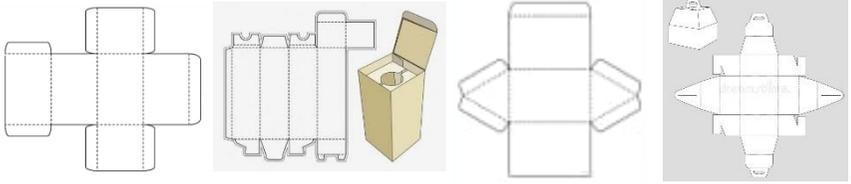


# DESIGN AND TECHNOLOGY

# YEAR 4

# CONSTRUCTION: SHELL STRUCTURES

<b>Design Brief</b>	To design and make the packaging for a new confectionary product, to be sold in supermarkets.	
<b>Case Study</b>	Iconic food packaging design (e.g. Toblerone, Pringles, Coca-Cola, Lyle's Golden Syrup, Dairy Milk)	
<b>Making Skills</b>	drawing, cutting with a craft knife and ruler, scoring, measuring, folding, joining	
<b>Science/Maths links</b>	Maths: geometry – 3D shapes, box nets; measurement - length	
<b>Vocabulary</b>	<b>Facts and Information</b>	<b>Diagrams and Pictures</b>
<b>net</b>	A box net is a flat drawing of the faces of a 3D shape, which can be cut out and folded to make that shape. It includes tabs, which are used to stick it together more easily.	
<b>score</b>	Scoring means scratching a line along the surface of the paper, to allow it to be folded more easily/accurately. Some of the lines of a box net will need to be scored, and these are often marked with a dashed line.	
<b>computer-aided design (CAD)</b>	Computer-aided design (CAD) is using a computer to help you create a design. For example, you could use drawing software such as Microsoft Paint to help you to draw your design neatly and accurately. Designers can use CAD to create 3D models on the screen, which allows them to see more clearly what their designs will look like in real life.	
<b>graphic design</b>	Graphic design is the writing and pictures found on things such as adverts, labels, leaflets and packaging. A graphic designer designs these things.	
<b>shelf appeal</b>	Shelf appeal means that a product stands out when you see it on the shelf in a shop. A product needs to look appealing, so that <b>consumers</b> will pick it up and buy it, instead of a different product. Graphic designers need to think about shelf appeal when designing the packaging for a product.	