

Grange Park Primary School Year 3 Summer 1 and 2 Design and Technology

Free standing structures (shell structures): An Egyptian themed keepsake container

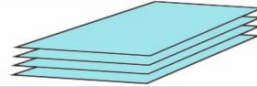
Key Information

Malcolm McLean	This American truck driver became a businessman when he bought a shipping company. In 1956, he began using stackable shipping containers that could be easily transferred from ships to trucks.
Packaging designers	Packaging designers guide the design process from beginning to end. They conceptualise, design and execute a prototype for attention-grabbing packaging using design elements such as shape, colour, graphics and typography to create packaging that is functional and appealing to customers.
Keepsake box	Typically made from wood, these are used for storing mementos of a special time, event or person.
Antoine Favre	The first examples of jewellery boxes were produced in 1502 by this Swiss watchmaker. He introduced his cylinder-driven box in 1796. Boxes contained tiny drums, tinkling bells and metal combs that created musical sounds when the box opened.

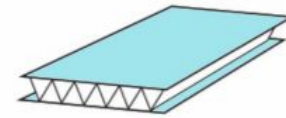


Key Skills

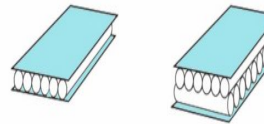
Laminating - gluing together several layers of card.



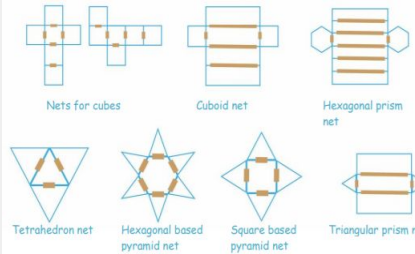
Corrugating - zig zag a piece of paper or card and glue in between two layers of card.



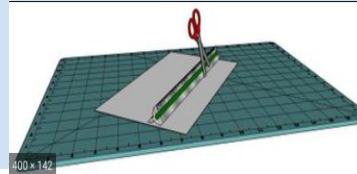
Ribbing - glue layers of straws between layers of card.



Assemble and evaluate 3-D shapes joined with masking tape.



Scoring - the process of scribing or cutting through the material along the line to be bent or folded.



Real World Examples

The Ancient Egyptians constructed a range of containers such as canopic jars, which stored a mummified body's organs and a sarcophagus, which was a decorated stone coffin.

Key Vocabulary

shell structure	A thin, lightweight, three dimensional construction.
container	An object for holding or transporting something.
net	A two-dimensional shape that can be modified to form a three-dimensional shape.
prototype	An original model, a sample which is used for future designs.
extend	To add something to make it bigger or longer.
adhesive	A substance used for sticking objects and materials together.
construction	The action of building something, typically a large structure.
consumer	A person who purchases goods for personal use.
aesthetic	The pleasant, positive or artful appearance of a person or thing.

