Design and Technology – Year 4

Grove School

Autumn 2 – **Design, make and evaluate a box to contain a special keepsake**

In Design & Technology I have already learnt:

To make freestanding structures from sheet materials.
Different ways to make a structure base stronger.
To join different materials with a range of joining techniques.
To measure, mark and cut out different materials.
That a single 2D shape can make a 3D shape product.

Design, make, evaluate, user, purpose, ideas, design criteria, product, function, join, masking tape, glue, paint, glitter, sequins

I can assemble 3D shapes using standard sized shapes and joining with masking tape.

I can create and make the net for the product I am designing.

I can cut windows out and add acetate sheet.

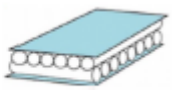
I can score card.

I can use laminating, corrugating and ribbing to stiffen and strengthen sheet materials.

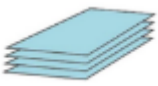
I can use a range of finishing techniques to achieve the desired appearance of my product.

New Design & Technology words:
Shell structure, score, shape, net, 3D, three dimensional, marking out, scoring, tabs, adhesives, **corrugating, ribbing, laminating,** assemble, acetate, prototype, keepsake.

- **Ribbing:** Glue together layers of straws between layers of card



- **Laminating:** Glue together several layers of card.



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



Different methods to strengthen sheet materials