



# Design and Technology – Year 5

## Autumn 1 – Design, make and evaluate a small scale bird hide

In Design & Technology I have already learnt:

- To make a free standing structure using paper and card.
- To join flat surfaces with a variety of joining techniques.
- To strengthen materials using laminating, ribbing and corrugating.
- To score card to aid folding.
- To use a range of finishing techniques to achieve the desired appearance.

Design, make, evaluate, user, purpose, ideas, design criteria, product, function, prototype, pattern, annotated sketch, diagram, list, join, masking tape, glue, paint, cut, fold, fix, structure, framework, weak, strong, base, thinner, thicker, straight, curved, shape, marking out, scoring, tabs, adhesives, corrugating, ribbing, laminating, stiffen, strengthen, 3S

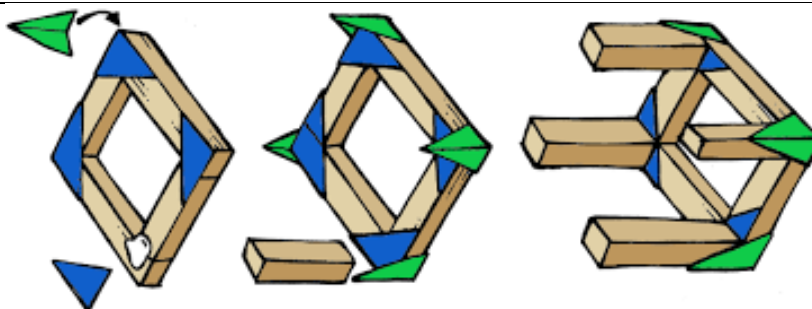
**I can reinforce a 3D framework by using triangulation for rigidity.**

I can join straws in a variety of ways to build a frame structure.

I can **join thin-sectioned pieces of wood** to build a frame structure.

New Design & Technology words:

Frame structure, **reinforce**, **triangulation**, stability, rigidity, **ornithologist**



*Triangulation to strengthen a structure*