In Design and Technology we were given the challenge, by Mrs Lutter, to design and construct a table. We could only use 5 sheets of newspaper and the table had to be strong enough to support 5 sticky-note pads.

To prepare for the challenge we needed to do some research so we watched a video from a website all about techniques of using paper to construct things. We learnt that if paper is rolled into very tight cylinders it is actually quite strong. We also learned about ‘triangulation’. A triangle is a very rigid and strong shape and triangles are often used in construction of things such as bridges. The website also showed us how to fold paper into many layers to create a stiff structure that we could use as our table top when we made our tables.

Most of our completed tables passed the design test and were strong enough to support the weight of the sticky-note pads. You can see in this picture how I used the techniques of rolling the paper and using triangulation to make the structure strong.

This is a drawing, done on isometric grid paper, of a completed table. Isometric grid paper has a grid of triangles and this allows you to draw a structure so that it appears to be in 3D.