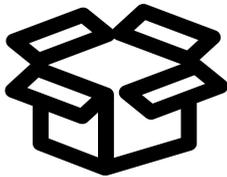
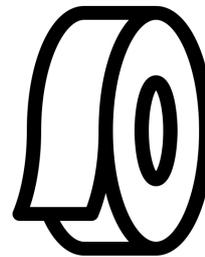
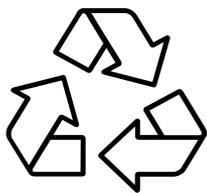


Reduce, reuse, recline

Unless you've had one collapse beneath you, it's unlikely you've ever thought about how they are built! Many modern buildings are built in almost the same way as the humble chair. Can you create your own chair using only recycled rubbish? And can you sit on it without it collapsing?

Materials required:



Recycling

Sticky tape

The challenge:

- Create a chair using only recycled rubbish and sticky tape
- You must be able to sit on it without it collapsing
- And can you decorate it to turn it from a chair into a throne

The activity engages children of all ages to think about fundamental engineering concepts like tension, compression and bending – allowing them to experiment with forces and load paths and be creative. The act of making and breaking models enables kids to develop an intuitive understanding of structures through trial and error, finding out through play what works and what doesn't.

But as well as engineering, rubbish chairs will hopefully make you think about waste, reuse and the inherent value locked in the objects around us.

Inspiration:

(Photos from the Scale Rule workshop at Open House Families 2019)



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