

The Building Blocks of Battery Technology:

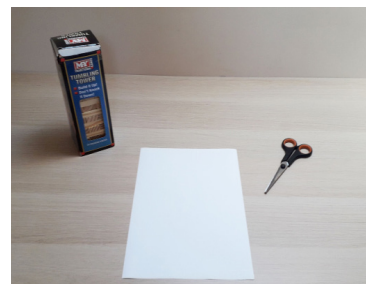
Using modified tower block game sets to explain and aid the understanding of rechargeable Li-ion batteries

Makers Guide: Small Set

Item check list:

Items Required

- 1 x My Traditional Games Tumbling Tower 54 Wooden Pieces
- 1 x Self Adhesive Sticker Quality Inkjet Printable Paper
- 1 x Scissors



Intructions

1. Print the sticker template (next page) onto the self adhesive sticker printable paper.

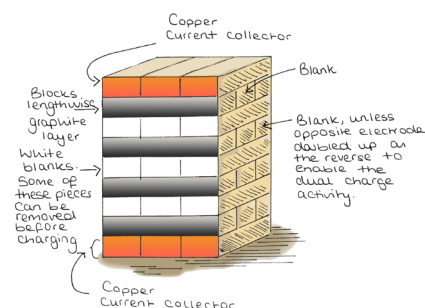
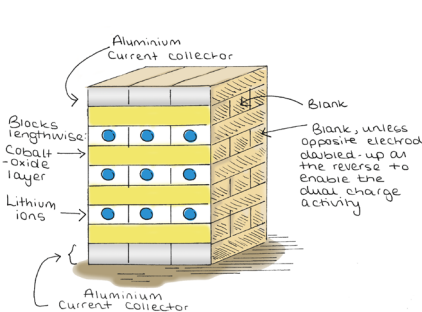
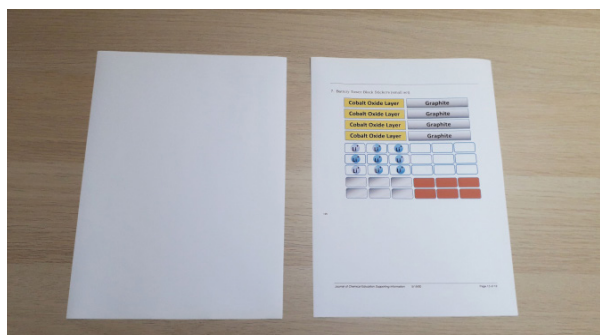
Tip: To avoid wasting this paper and printing on the wrong side, make sure you know which side you want to print on and it is loaded into your printer correctly.
Adult assistance may be required.

2. Cut the shapes out from the sticker paper.

Be careful not to cut yourself when using the scissors.

3. Divide the tower block (Jenga) set in half, so you have an even number of pieces in each tower.

4. Following the diagram below, peel the backing paper off the sticker paper and affix to the surface of each piece.



We are now ready to learn about Li-ion battery operation!

Open up the appropriate age worksheet to carry out the demonstrations.

Feedback or queries, contact us:

Lizzie Driscoll (ehd345@bham.ac.uk) or Prof. Peter Slater (P.R.Slater@bham.ac.uk).

We'd love to see your creations, use #BatteryJenga on Twitter or tag us @EHDriscoll and @prslaterchem.

The Building Blocks of Battery Technology:

Small Jenga Set Sticker Template (54 piece set)

You will need access to a printer.

If you don't have access to sticker paper, print out the template as normal and affix to the blocks using PVA glue.

