

BINARY CONVERSION CUPS

I am always looking for interesting and exciting ways to teach computing concepts to students. Engagement is a key to making learning memorable and therefore easier to understand and recall. This post looks at how to create a Binary counting machine from plastic drinks cups.

You will need:

9 large plastic cups

A marker pen

A pinch of binary logic



Step One

Join the cups together as shown in the picture, they will need to turn, this can be made easier by lining up the joins on the cups.



Step Two

Across the top row write the Binary Values, 1,2,4,8,16,32,64,128. Underneath each value write a zero. The trick here is to be neat and line up the digits.



