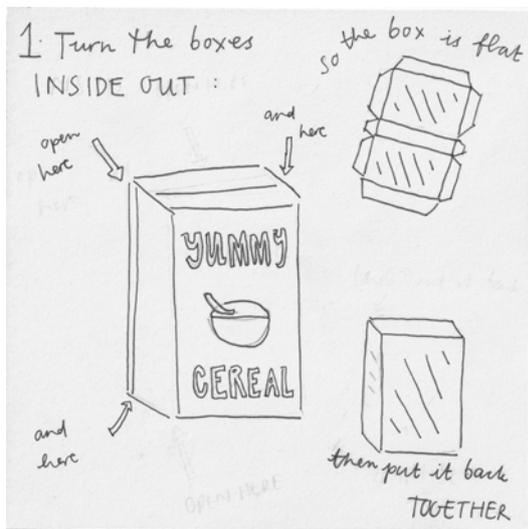


How to make your own MILL MODEL from recycled materials.

You will need:

- 2 empty cereal boxes
- 3 toilet roll tubes
- 1 empty toothpaste box
- Carboard for base and water wheel
- Paints/Felt tip pens
- Scissors
- Glue/Masking Tape



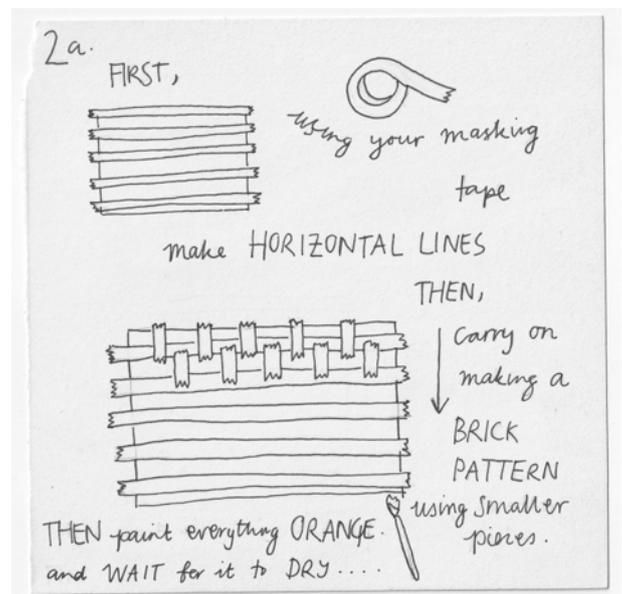
1. Firstly, you need to turn all the empty boxes you have INSIDE OUT.

So, open them up so they are flat, usually there is a joining side which you can easily rip along.

This means you have a blank canvas to decorate later on.

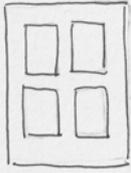
2. Then you need to decorate the empty boxes to make them look like BUILDINGS. I added a brick effect to one and cut little windows out of the other.

- a. To create a brick effect, place MASKING TAPE in horizontal stripes across the box and then in vertical stripes along each line. Then mix up a brick colour from yellow and red and paint over the masking tape. Once the paint is dry, you can take the tape away to reveal a GRID PATTERN that looks like bricks!



26. To make WINDOWS

First DRAW THEM OUT :



then ask an adult

to help you make
a HOLE in the center of the square.

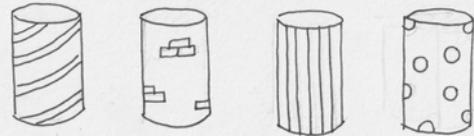


and CUT OUTWARDS to
the edges to CUT A SQUARE.

3. Now you can decorate your toilet roll tubes and the toothpaste tube to make them look like CHIMNEYS. I experimented with different patterns on my chimneys, so they look a bit different when the mill is all assembled. If you don't want to spend a long time painting a whole brick pattern, you can just paint a few bricks here and there like I've done on my big chimney. This can look just as good!

- b. For the windows, I used a piece of the box as a template and drew 8 identical rectangles with little rectangles inside them in pencil. Then (you'll have to ask an adult to help you with this bit) I cut the little rectangles out and outlined the windows in black felt tip pen.
- c. Don't forget to cut a little door out of your mill building, or no-one will be able to get in!

3. Get CREATIVE with
your Chimneys!



do as many as you like and make
them ALL DIFFERENT.

4.



use a mug
or a plate as a
TEMPLATE to
draw a CIRCLE.

THEN ask an adult to help you

CUT IT OUT

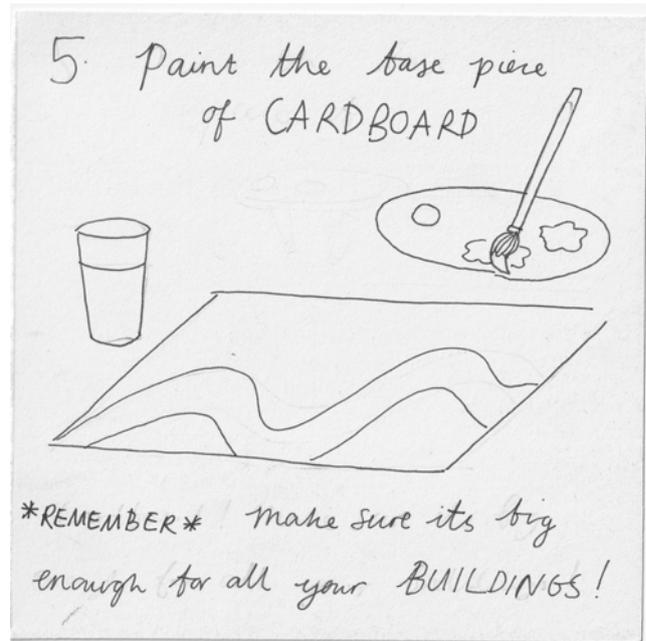
and

DECORATE to make
it look like a WHEEL



4. To make the WATER WHEEL just use a plate or an empty jar or glass as a template to draw a circle onto a piece of cardboard and then ask an adult to help you cut this out. I decorated mine with black felt tip and a paper fastener to make it look more like a wheel.

5. The last piece to decorate is the BASE of the mill. I painted mine green to look like grass and painted a little blue river so the water wheel will be able to run the mill!
6. Finally, once all the pieces have been decorated and have dried, it's time to assemble the mill! I placed one cereal box on its side and put the chimneys on top and the water wheel on the side. Then I put the other cereal box the right way up and stuck it next door.



THERE YOU HAVE IT! a MODEL of a MILL made ENTIRELY from bits and bobs I found around the house!

