

17th March 2022



MANCHESTER
MUSLIM
PREPARATORY
SCHOOL

FAITH • LEARNING • LIFE

Executive Head: Mrs M. Mohamed BSC.HONS, LPSH, PGCE, PG.DIP

Head Teacher: Mrs D. Ghafari

Dear Parents/Carers,

Assalamu' Alaikum,

Re: Eco Brick Structure

We hope you are in the best health and Imaan.

Our school is part of the Withington and Old Moat Environment Youth Group. We are working with the council and other schools in the local area to share our ideas about climate change, raise awareness and make positive changes.

We have been challenged to make an 'EcoBrick' structure at school, as part of the attempts to reduce plastic pollution and waste.

What is an Eco Brick?

It is a building block made entirely from unrecyclable plastic. It's created by filling a plastic bottle with clean, dry plastic until it's packed tightly and can be used as a building block.

How can we make Eco bricks?

Take an empty 2 litre plastic milk bottle. Wash it. Then start packing it with plastic waste as you have it. For full instructions watch this video.

<https://www.youtube.com/watch?v=b5ccBJXgzWs>

What to do with the completed Eco Bricks?

Bring the Eco brick to school. Let's see which class can collect the most.

What will the Eco Bricks be used for?

They can be used to build all sorts of structures – chairs, stools, tables, shelters and more. It depends how many bricks we get. We will be asking some engineering students from Manchester University to help with our design.

<https://www.youtube.com/watch?v=WbPwzZVxgkI>

Kind Regards

Wassalam

Mrs I. Chaudhry and The Rights Respecting Ambassadors

SLT/SMSC Lead MMPS Pupils





How to make an Eco Brick

1. Choose a bottle.

We are using 2 litre milk bottles. Wash it and keep the lid.

2. Prepare your plastic.

Any plastic that you put in your brick needs to be clean and dry – any dirt can lead to microbiological growth and methane forming inside your brick which can make the bottle bloat and the cap even pop off.

3. Get a stick.

You can use the handle of a wooden spoon to poke the plastic in your bottle down so you can fit as much as possible in!

4. What **TO PUT IN** your Eco Brick.

Non recyclable plastic. Here are some of the items you can put in your brick:

- Plastic bags
- Photo paper
- Crisp packets
- Food containers
- Straws
- Plastic cutlery
- Cling film
- Plastic fruit and vegetable packaging
- Polystyrene (or Styrofoam) – this is a petroleum-based product that can't be recycled. Lots of products are made out of this including food containers and packaging.

Don't forget that you can always cut up plastic to go in your ecobrick, if it seems too big.

5. What **NOT** to put in your ecobrick

No metal, paper, card, food waste or glass.

6. Put on the lid.

You need to make sure that your ecobrick is packed as tightly as possible to make it really strong. Bricks that are too soft can't be used for building because they might not be robust enough. Plus, the more you fit in your bottle, the less plastic will be getting out into the environment!

7. Be careful not to overfill your brick.

Although your brick should be packed full of plastic, it shouldn't be pushing against the lid because it could end up making the lid come off.

