



September Science Challenge

Draught Excluder ****Adult help will be needed for the sewing****

Resources:

- An old pair of lightly coloured tights or a long sock
- Strip of cardboard
- coloured pens/ paints to decorate
- Sewing needle and thread
- Scissors
- Filler material (old pillow/ fabrics/ cotton wool) – you can also add some rice to weigh it down.

Instructions:

1. Cut off the leg of one side of the tights/ find one long sock.
2. Cut a strip of cardboard the length of your tights/sock and place it inside.
3. Decorate your tights/sock using coloured pens/paint/google eyes etc.
4. When your design is dry remove the cardboard.
5. Stuff your tights/socks with your filler of choice e.g. polyfil/cotton wool etc.
6. Fold down the ends of the tights/sock at the opening and use your needle and thread to sew the opening closed. ***adult needed***
7. Place your draught excluder along the bottom of any draft area in your home e.g. bottom of a closed door or a window seal.

Please send a photo on Class Dojo to your teacher. All entries will receive a sticker.

The Science:

Did you know that in a typical house, 20% of all heat loss is through ventilation and draughts? Draught proofing is an easy and cost-effective way to reduce the energy you use to heat your home.



Science of the Month

Energy



Choose one of the following topics to investigate/discuss:

1. What is renewable energy?
2. Why is fossil fuel bad for the environment?
3. How can you save energy in your home?

[DIY Draught Excluder Snakes to make this Winter! - Red Ted Art - Kids Crafts](#)