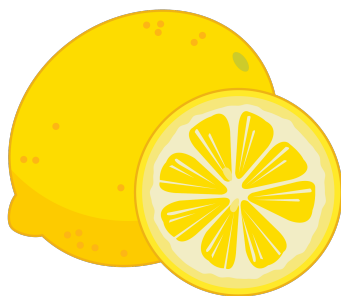




Homemade Invisible Ink



Things you will need:

- Paper
- Cotton bud
- A lemon
- Heat (e.g. oven hob or hair dryer)

Instructions:

Firstly, you will need to squeeze all of the juice from the lemon and pour it into a small glass. This juice will act as your ink and the cotton bud will be your pen. Dip the cotton bud into the juice and then use it to write a message on the paper. Wait until your message has completely dried on the paper. When it is dry, apply heat to the paper and watch your secret message appear.

The science behind it:

Lemon juice contains carbon compounds which cannot be seen when the fruit is at room temperature. However, when we added heat to the lemon juice it broke down these compounds, releasing the carbon. The when carbon comes in contact with the air, a process called oxidation occurs, and the juice turns brown.