

# Invisible ink



1. Add about 1 tablespoon of lemon juice to the cup
2. Soak the cotton bud or paint brush in lemon juice and use it to write a message on your paper.
3. Once it is dry, it will be invisible.
4. CAREFULLY hold your paper over a lit candle to reveal your message. Get an adult to help you and make sure you have a bowl of water next to you just in case!

## You will need:

1. Lemon juice
2. Cotton bud or a paint brush
3. Cup
4. Paper
5. Candle

## Warning!

Please ask an adult to help with lighting the candle!

## The science behind:

Your message discolours before the rest of the paper gets hot enough to do so.

Lemon juice contains carbon compounds which are colourless at room temperature.

Heat breaks down these compounds and releases the carbon.

When carbon comes in contact with air (specifically oxygen), oxidation occurs and the substance turns light or dark brown.