

code it! invisible ink messages



decode it!

STAY
CURIOUS



method 1: lemon juice + heat

squeeze a lemon and add a bit of water.

paint your message in juice on a white sheet of paper, using a paint brush or Q-tip.

reveal the message by exposing it to heat, like bright sun (a few hours), a hot bulb (a few minutes) or an iron (right away).



method 2: wax crayon + paint

write your message in white crayon or white pencil on a white sheet of paper.

reveal the message by painting it with a water color wash.



the science behind it:
the waxiness of the crayon (or pencil) repels the paint, but the surrounding paper soaks it up, and the message is revealed!



the science behind it:
lemon juice is an organic substance that oxidizes and turns brown when it is heated. diluting or adding water to the lemon juice makes it very hard to see when you apply it to the paper. no one will notice that your secret is there until the paper is heated and the message is revealed!

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