

# Secret Scout Writing

People have been inventing and using invisible inks for hundreds of years, to communicate with each other while keeping important information from falling into the wrong hands.

Today we use security marker pens to add personal details to valuable property. UV light can then be used to reveal these details.



## What do we need?

White Vinegar

Lemon Juice

Cups

Plain Paper

Paint Brushes

String and Pegs

Hairdryer

This is mindblowing....How can it work!

Vinegar is an acid. This weakens the paper and stays on it, even after the liquid has dried and can no longer be seen.

When you heat the paper, the acid burns or turns brown faster than the rest of the paper, revealing the hidden words or markings.

Other natural ingredients that can be used to make invisible ink include honey, sugared water and milk.



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Mix the vinegar and lemon juice  
in equal amounts in a container

Use a brush to write your  
message on the paper

Let it dry!!!

Warm the paper and your  
message will appear!

What happens if it was just pure vinegar or pure lemon juice?

What would happen if it was more lemon juice than vinegar???