

# Solving problems

## Introduction

- **Level:** B1
- **Skills:** Reading
- **Topics:** Vocabulary
- **Merging subjects:** Science, English

## The enigma

- **Keywords**

directional lock, signs and words, UV light

- **Toolbox**

Pen with invisible ink and UV light for secret messages; directional lock (optional: students can give the solution to the teacher without a lock, but it's funnier if you have one); papers with the signs and words.

- **Description of the enigma**

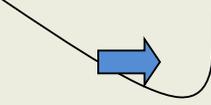
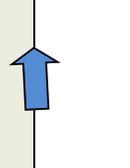
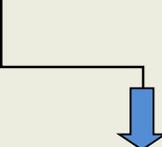
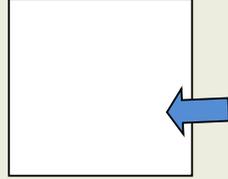
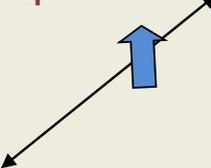
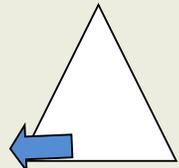
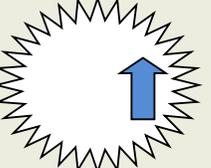
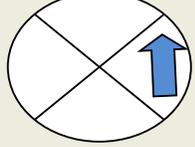
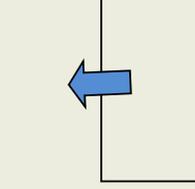
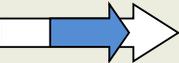
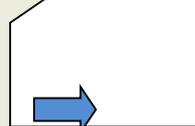
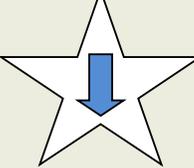
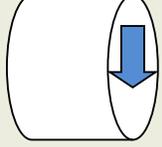
You and your friends are in an odd classroom. This classroom doesn't look like any of the ones you have seen in your school. You explore the room but only find locked doors, some papers, a pen and a large desk with a strange lock on the drawer. The lock has arrows in four directions and a mechanism in the middle you can move. One of your friends recognizes it as a directional lock that only moves up, down, left, and right. Maybe the papers hold a clue to how to open this lock. Oh, and that's not an ordinary pen. It's a pen with invisible ink and UV light.

You and your friends take a moment to look through the papers you found. There seem to be several copies of the same two papers: a picture of some signs (1) and a list of words that once formed a secret code between students (2). Maybe the signs and words are the clue! What directions will open the lock?



# Solving problems

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<b>Mystery</b> 	<b>Trap</b> 	<b>Door</b> 	<b>Game</b> 
<b>Room</b> 	<b>Escape</b> 	<b>Problem</b> 	<b>Dark</b> 
<b>Lamp</b> 	<b>Enigma</b> 	<b>Invisible</b> 	<b>Ink</b> 
<b>Light</b> 	<b>Map</b> 	<b>Secret</b> 	<b>Strange</b> 

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# Solving problems

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Mystery	Escape	Invisible	Strange	Game
Problem	Enigma	Light	Room	Lamp
Dark	Map	Secret	Trap	door



## Solution



## Hints

The uv light pen will reveal the 4 words and the arrows on the words will give the solution and you will manage to escape the room.

## More information

The 4 words will be written with invisible ink, but they will look just like the other 10 words. They can be revealed only with the UV pen/light.

## Possible restrictions

It might be difficult for students with dyslexia; also, directional locks are an additional difficulty for students with learning disorders as they often confuse their left and right.

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## References

- ✓ Whole Brain Escape, 2019, How to open a directional lock, <https://www.youtube.com/watch?v=spqFIMJHhQo>, accessed on June 26, 2021
- ✓ <https://www.istockphoto.com/illustrations/thinking-emoji>
- ✓ <http://www.ultracoloringpages.com/p/flashlight-coloring-page/1d71b9ad3cb6e57955fef4a3319e9fa4>

