

# Mirror Wrifing

EQUIPMENT	Small flat plastic mirrors  White paper  Pencils
	Markers
PREPARATION	Collection of equipment
BACKGROUND INFORMATION	When white light meets a shiny surface like a mirror, it bounces off it and is reflected back.
	In these activities when you look in the mirror the top of your picture becomes the bottom and vice versa. This makes it very difficult to draw around, especially when you change direction.
	All of the letters in 'CHOICE DICE' are symmetrical (top to bottom).
	These activities appear simple but are actually quite difficult – try and see!
SKILLS	Investigating and experimenting
ACTIVITY	(These activities probably work best in twos – one holding the mirror while the other writes. Then swapping around.)
	With a mirror standing at right angles to a piece of paper try to go over a simple shape with a marker while looking in the mirror <b>only</b> .
	Try to write your name on a piece of paper while only looking at the mirror (and not looking at the paper).
	Again looking <b>only</b> in the mirror, with a pencil try to find your way around a maze from start to finish.
	Hold the mirror behind each of the shop signs. CHOICE DICE is the same.
SAFETY	Use plastic mirrors – obtainable from scientific suppliers.





## Mirror Wrifing Confinued

# IN THESE THREE ACTIVITIES LOOK IN THE MIRROR ONLY WHILE DOING THEM – DO NOT LOOK AT THE PAPER

#### **MIRROR WRITING - A**

- 1. Draw a simple shape (e.g. a star) on a piece of white paper and stand a mirror behind it.
- 2. Looking in the mirror only (and not at the paper) try to draw over the shape with a coloured marker.

NOT AS EASY AS YOU THINK!

#### **MIRROR WRITING - B**

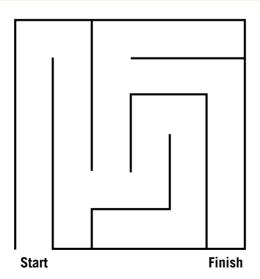
With the mirror standing up on a plain piece of white paper and looking only in the mirror try to write your name on the paper so that it looks normal writing in the mirror (do not look down at the page)

AGAIN NOT AS EASY AS YOU THINK!

#### **MIRROR WRITING - C**

Stand the mirror on the dotted line behind the maze and tilt it forward a little so that you can see the maze clearly in the mirror. Again looking only in the mirror, use a pencil to find your way from the START to the FINISH.

How many times did you cross a line?







## Mirror Wrifing Confinued

HOLD A MIRROR BEHIND EACH OF THESE TWO NOVELTY SHOP SIGNS (ALONG THE DOTTED LINES) IN TURN:

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**LOVELY JELLIES - 70C** 

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**CHOICE DICE - 80C** 

Can you explain the difference?

