

Mirror Maze

Introduction

You are trapped in the dungeon of an evil, mad, insane science teacher for not doing your homework. You are strapped tightly to a table and have only limited movement in your hands and feet. Your shackles and the exit door are controlled by a control panel beside the exit door. The control for your shackles is a light detector that the mad science teacher uses a small laser to operate. Luckily for you, you also have a small laser pointer that you borrowed from your friend but unluckily for you, you can't angle your hand to hit the sensor switch.

But not all hope is lost! The science teacher has lots of mirrors positioned around the room from the crazy experiments they conduct. You know that if you hit the correct mirror, the angle should be able to send your laser beam around the room off the other mirrors back to the sensor switch.

Experiment

You Will Need

Light/ray box, single light slot and a flat mirror.

Method

1. Position the light box at the start so the light ray passes through the green dot.
2. Place the mirror onto one of the lines shown with a related letter.
3. Move the light ray so it hits your mirror on the dot given. It should travel to another lettered mirror.
4. Your mission is to keep moving your mirror and light box so that the light travels from mirror to mirror in the correct order and reaches the sensor switch at the exit.
5. As you go around the room, record the order of letters in the results table below.

Results

	Start
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
	Exit





start ●

