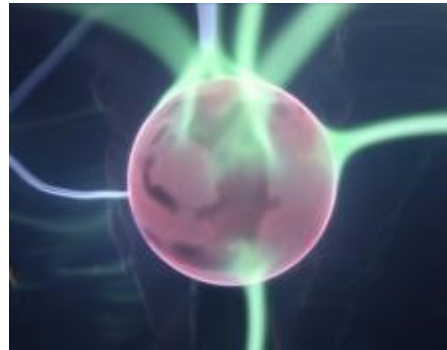


CAMERA OBSCURA & WORLD of ILLUSIONS



WORKBOOK

NAME: _____

Before you begin, remember to count how many stairs you climb from Reception to the Rooftop Terrace. How many are there?

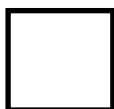
98

LEVEL 3: EYE-SPY EDINBURGH

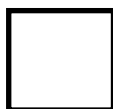
The **View-Cams** can see all over Edinburgh when you move them around and zoom in. Use them to spot these sights and tick them off:



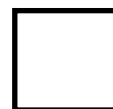
School of Divinity



Edinburgh Castle



The Hub



The **Thermal Camera** can show you whether things are hot or cold.
Hot things will look very red, and cold things will look very blue.



COLD

HOT



What colour are your hands?

(probably) green/orange

What colour is your face?

(probably) red

So, which one is hotter?

(probably) my face

Which parts of you are blue?

(probably) legs, hair

Are the blue parts hot or cold?

cold

LEVEL 5: THE MAGIC GALLERY



Can you find the dancing man? What is the name of his exhibit?

Praxinoscope

Have a go at our Stroop Challenge where you read out the colour, not the word. Circle which word you got to before you made a mistake.



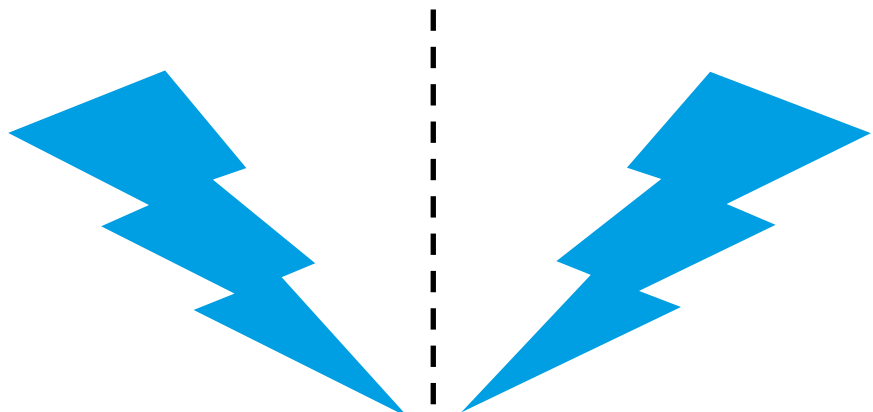
What happens when you touch the plasma tubes?

The light (filaments) inside the tubes are attracted to your hand.

Careful! If you touch someone while touching the plasma exhibits, you might both get an electric shock!

What do you look like in the True Mirror exhibit?

Try drawing a mirror image of the lightning bolt.



LEVEL 6: THE ROOFTOP TERRACE

Can you find the answers to these questions on the Rooftop Terrace? Don't forget, you can ask your guide for help—you might even hear some of the answers in the Camera Obscura show! Remember to fill in how many stairs you climbed on the first page!

How many telescopes are there on the rooftop terrace?

three



Find this quote and fill in the missing words:

"In no city in the world do so many people live in so little room as in Edinburgh"

- Daniel Defoe

When was the current Camera Obscura built?

1853

What did people shout as they emptied their chamber pots (toilets) into the street?

Gardy Loo



What can you do for free in St. Margaret's Chapel if your name is Margaret?

Get married

LEVEL 6: THE ROOFTOP TERRACE

Can you spot these monuments from the rooftop? What are their names?



The Scott Monument



Calton Hill



The Balmoral Hotel



St. Giles Cathedral

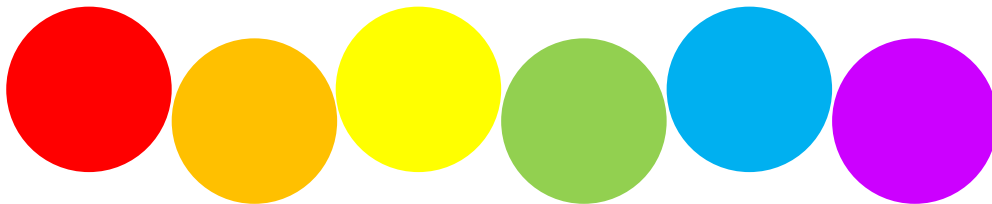
LEVEL 4: THE LIGHT FANTASTIC



With a friend, stand in a corner of the Ames Room. What happens when you move to the other corner?

You get smaller or bigger

Can you make all of these colours on the Colour Shadow Wall?
Tick them off when you've done it.



What breed of dog is facing the Queen in the shadows of our Rubin's Vase?

Corgi



Have a go on our Balance Board. How long did you last?

Finish this quote:

"Time is an illusion,
lunchtime doubly so"

- Douglas Adams

LEVEL 2: BEWILDERWORLD

Try walking through our **Vortex Tunnel**. Does it make you feel dizzy? It works by confusing our senses. Humans have lots of different senses. Which of yours were confused by the tunnel?

Taste

Sight

Smell

Temperature

Balance

Pain



Try to count your reflections in the **Mirror Maze**.

How many can you see?



Why do we ask that you wear gloves when you're in the **Mirror Maze**?

So that the mirrors stay
clean and it's harder to
find your way out

Thanks for visiting!

Can you play a tune on our Musical Stairs on your way out?