

PARENT NOTES: LENSES!

PINHOLE CAMERA



Today we learned about how the curved lenses in our eyes help us to see the world the right way up, and investigated what would happen if your eyes were flat instead of curved by making a pinhole camera.

ASK YOUR CHILD

What did you make today?

(A pinhole camera)

What can you see through it?

(They should be able to see things upside down!)

Why is everything upside down inside the pinhole camera?

(Because light reflects off other objects and travels in straight lines to our eyes which reflect on our curved eye lenses and flip upside down. If our eyes were flat like the pin-hole camera, we would see an upside-down mirror image of the world. We proved this by using the flat baking paper as a lens to see an upside-down image).

Did the blanket over your head help?

(it should have helped by stopping light pollution from coming in close to their eye, so the light coming in from the pin-hole was dominant.)

What do you think it would be like if our eyes were flat instead of curved?

(the world would seem upside down all the time. Luckily experiments on people forced to wear upside down glasses all the time have shown that our brains flip the images after a few days so we see the world the right way up again)