

# Everyone is you and me

Who do you see in the mirror pane?



Sit down facing each other and look at each other through the mirror pane.

Make sure that your eyes are on the same level.

Change the brightness with the white turning wheel.

When your light is bright and your friend's is dim, you can see yourself in the mirror. If the brightness of the lights is the other way round you can see only your friend. If you set the lights to be equally bright, your faces will merge into a single image.

The pane is a semitransparent mirror – it reflects half the light that falls on it and lets the rest pass through. Depending on the strength of the lighting on each side, it can act like a window or like a mirror.

When the lights are set right, you see your friend's face and the reflection of your face in the same place. Our brain cannot distinguish the two images and they seem to merge.