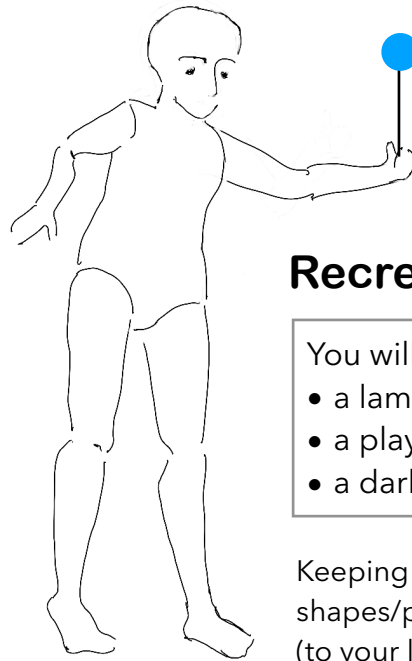


EARTH
your head

MOON
the ball

THE SUN
the lamp



Moon phases/shapes

New moon
Crescent
First quarter
Waxing gibbous
Full moon
Waning gibbous
Last quarter
Waning crescent
New moon again

The moon has no light of its own. It only reflects light

Why does the moon look like different shapes throughout the month?

Because of its orbit, the path it takes around the earth.

The shape depends on where it is in its orbit around earth

You are going to use the ball and your head to see the different shapes the moon makes during its orbit around the earth.

There is always half of the moon lit by the sun, but it is the moon's position in relation to you/earth that determines the shape that you see.

Recreate the Phases of the Moon

You will need:

- a lamp
- a playball attached onto a stick
- a darkened room

Keeping your arm outstretched you will see the shapes/phases of the moon lit up as you turn around (to your left) on the spot.

