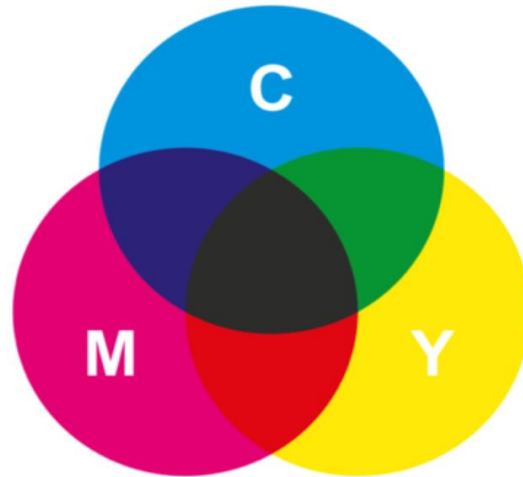
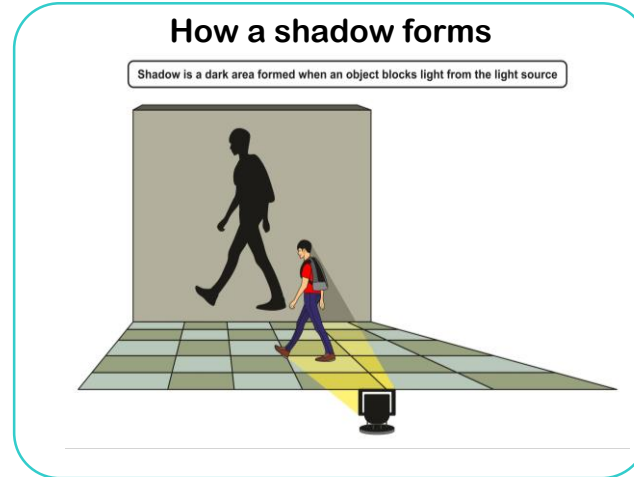


Key Facts:

- Light sources can be both natural and man-made.
- A lens is a piece of transparent glass or plastic that bends light.
- Light only travels in straight lines.
- Light is made up of all the colours of the spectrum/rainbow. The colour of the light you see depends on its wavelength.
- A telescope has two lenses (one large and one small) which reflect light rather than bending it.
- Light filters can be used to mix or change the colour of the light.



Key Scientists:

Zhang Heng – a Chinese astronomer and inventor. He was the chief astronomer in the court of the Chinese Emperor and mapped the stars and planets. He correctly recognised that the moon was not a light source, but reflected the light of the sun, a controversial suggestion at the time.

Ibn al-Haytham – one of the earliest scientists to study the characteristics of light and the mechanism/process of vision. He also made a thorough examination of the passage of light through various media and discovered the laws of refraction.

Key Vocabulary:

luminous
non-luminous
transparent
translucent
opaque
shadow
lens
refraction
white light
magnify
angle of incidence
angle of reflection