



## EQ045

### Knowledge areas

Physics

### Key Experiments

The principles of geometrical optics

Simulation of the eclipse of the Sun and identification of the umbra and penumbra

The reflection in the plane mirror

The image formed in a plane mirror and its characteristics

The number of images formed between two flat mirrors with an angle between them

Some applications of multiple reflections between flat mirrors

The reflection in concave and convex spherical mirrors

The refraction of light and its laws, the diopters

The refraction and dispersion of light in optical prisms of 90 and 60 degrees

The spherical lenses and its main characteristics

Vision defects, correction of hyperopia and myopia with lenses

The relationship between the object lens and the image generated by the lens

The measurement of the average wavelength of the colors of the continuous spectrum of light, interference

