

## Knowledge organiser - Science Terms 1 & 2

### Key vocabulary / terminology - The human eye / How we see

pupil - the hole at the front of the eye that lets in light

iris - the coloured part of the eye that controls how much light is allowed to enter

retina - the surface at the back of the eye containing cells that detect light and pass messages to the brain, allowing us to see

lens - focusses light that enters the eye onto the retina

Prior learning: Children will need to recall from Science lessons in previous years that light travels in straight lines and cannot bend, which is why shadows are formed when light is blocked. They will need to distinguish between light sources (objects that give out light, such as a flame) and reflectors (objects that reflect light from elsewhere, such as the moon or mirrors).

### Key vocabulary / terminology - Animals including humans

circulatory system - the network of organs and blood vessels responsible for transporting blood and oxygen around the body.

Associated terms: white blood cells, red blood cells, platelets, antibodies, bone marrow.

### Objectives

Children will learn how the circulatory system functions in human beings and animals, including how water and nutrients are transported and ways in which physical activity and diet can affect health.