

Nova's Guide to the Luminous World of Light

Illuminate your mind: Explore the brilliance of light with Nova the Owl!

- Light travels in straight lines called rays; explain why we cannot see around corners without the use of a mirror.
- Opaque objects block light completely, creating a dark area behind them known as a shadow.
- Reflection occurs when light bounces off a surface; smooth, shiny surfaces produce the clearest reflections.
- Transparent materials allow light to pass through them fully, whereas translucent materials scatter the light.
- White light is actually a combination of all the colours of the visible spectrum, which we can see when light passes through a prism.

Did you know? Did you know? Light travels in a straight line at an incredible speed of approximately 300,000 kilometres per second! When light hits an object, it can be absorbed, transmitted, or reflected, which is exactly how your eyes perceive the colourful world around you.

Key vocabulary: Reflection · Refraction · Transparent · Translucent · Opaque · Luminous · Spectrum · Ray