

# Nova's Guide to the Wonders of Light

Shine a light on the secrets of the universe with Nova the Owl!

- **Light travels in straight lines; when these rays hit an object and bounce back into our eyes, we are seeing a reflection.**
- **A light source is an object that produces its own light, such as the Sun, a torch, or a candle flame.**
- **Shadows are created when an opaque object blocks the path of light, preventing it from passing through to the surface behind it.**
- **Transparent materials allow light to pass through completely, whereas translucent materials only let some light through.**
- **We can only see objects because light reflects off them and enters our eyes, which then send signals to our brain.**

*Did you know? Did you know? Light travels at an incredible speed of about 300,000 kilometres per second! This means that if you could travel at the speed of light, you would be able to circle the Earth seven and a half times in just one single second.*

**Key vocabulary:** Light source · Reflection · Transparent · Translucent · Opaque · Spectrum · Ray