**Knowledge Organiser – Autumn 2025**

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| **Subject** | **Topic Title** | **Phase** |
| Science | Light | Year 3/4 |

 **Key Vocabulary What do I need to know?**

**I need to know:**

* **What opaque, transparent and translucent means.**
* **Ways to protect my eyes.**
* **How different size shadows are formed.**
* **How we see objects.**
* **Is the moon a light source?**

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| **Key Vocabulary** | **Definition** |
| **absorb** | **Take in or soak up.** |
| **dark** | **The absence of light.** |
| **light** | **A type of energy. We can see objects because our eyes can sense light** |
| **Light source** | **Something that produces light energy.** |
| **opaque** | **No light can pass through.** |
| **reflect** | **To throw back or bounce light from a surface** |
| **Shadow** | **A dark shape or outline of something that is made when light is blocked** |
| **transparent** | **Let’s the light pass through** |
| **translucent** | **Almost see through, lets some light through** |

**By the end of this topic, I will be able to:**

* **Show an understanding that light is needed in order to see things, and that dark is the absence of light.**
* **Describe the dangers of the sun and how we can protect ourselves.**
* **Notice that light is reflected from surfaces.**
* **Explain how shadows are formed.**

 

