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|  | **EYFS** | **Y1** | **Y2** | **Y3** | **Y4** | **Y5** | **Y6** |
| **Skill** | Explore the natural world around them.  Encourage interactions with the outdoors to foster curiosity and give children freedom to touch, smell and hear the natural world around them during hands-on experience.  Observe and interact with natural processes, such as ice melting, a sound causing a vibration.  Describe what they see, hear and feel whilst outside Encourage focused observation of the natural world.  Understand some important process and changes in the natural world around them, including the seasons and changing states of matter. |  |  | Can they recognise that they need light in order to see things?  Can they recognise that dark is the absence of light?  Can they notice that light is reflected from surfaces?  Can they recognise that light from the sun can be dangerous and that there are ways to protect their eyes?  Can they recognise that shadows are formed when the light from a light source is blocked by a solid object?  Can they find patterns in the way that the size of shadows change? |  |  | Can they recognise that light appears to travel in straight lines?  Can they use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye?  Can they explain that we see things because light travels from light sources to our eyes or from light sources to object s and then to our eyes?  Can they use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them? |