



St. John the Evangelist Catholic Academy – Progression in Science



Progression in Scientific knowledge, concepts & skills	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	KS3
Light (Physics) <i>Working Scientifically</i>	Talk about the differences between materials and changes they notice.	Describe what they see, hear and feel whilst outside. Explore the natural world around them, making observations and drawing pictures of animals and plants (ELG).			Recognise that we need light to see and dark is the absence of light Know that light is reflected from surfaces Know the dangers of the sun (Protecting eyes) Know that shadows are formed when light from a			Know how light travels (straight lines) Know that objects are seen because they give out or reflect light into the eye Know why shadows have the same shape as the object that cast them	Light Waves Transmission of light through materials Colours and the different frequencies of light



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					light source is blocked by a solid object and find patterns in shadow sizes				
Possible learning questions					Can you see me?			How can you light up your life?	