Year 6 – Light

UKS2 Spring

Breadth	Concept	Milestone 3(Years 5&6)	Knowledge	Vocabulary
Light • Look at sources, seeing, reflections and shadows. • Explain how light appears to travel in straight lines and how this affects seeing and shadows.	**Work scientifically** This concept involves learning the methodologies of the discipline of science.	• Plan enquiries, including recognising and controlling variables where necessary. • Use appropriate techniques, apparatus, and materials during fieldwork and laboratory work. • Take measurements, using a range of scientific equipment, with increasing accuracy and precision. • Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, bar and line graphs, and models. • Report findings from enquiries, including oral and written explanations of results, explanations involving causal relationships, and conclusions. • Present findings in written form, displays and other presentations. • Use test results to make predictions to set up further comparative and fair tests. • Use simple models to describe scientific ideas, identifying scientific evidence that has	I know how to plan and conduct a fair test I know changing variables will affect the results in an experiment I know how to improve the accuracy of my results I know how to write a science investigation I know how to use different graphs to recognise trends in results and data I know there are different types of light sources, including natural and man-made I know that light travels in a straight line. I know a shadow is formed from an opaque object blocking light. I know the parts of the eye. I know a shadow's size is changed depending on the distance from the light source	Absorb Block Dark/darkness Direct/direction Light source Mirror Opaque Reflect Reflective Shadow Translucent Transparent Angle of incident Diagram Questions Predictions/hypothesis Method Diagram Results Conclusion Investigate Fair test Data logger Safety

		been used to support or refute ideas or arguments.	I know that there is an angle of incidence when light is reflected	