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| **Key question: What surfaces to reflect light and why is it useful?**  Diagram  Description automatically generated  **Key question; How are shadows formed? How can you change the length, position and shape of your shadow?**  Diagram  Description automatically generated  **Key question: How do we see?**  **Why is light from the sun so dangerous and how can we protect our eyes?**  **Key learning: We need light to be able to see things. Light travels in a straight line.**  Graphical user interface, application  Description automatically generated  Diagram  Description automatically generated    **Key question: What materials are transparent?**  A picture containing text, person  Description automatically generated  Table  Description automatically generated  Table  Description automatically generated  **Super Scientist Investigates:**  **How are shadows and sound created and changed?**  ***Shadows Year 3 and 4***  **FPS SCIENCE: Physics**  **KNOWLEDGE ORGANISER** |

**Key question: What is soundproofing, why is it important and which materials are the best at soundproofing?**