**Science** at The Meadow

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| Intent At The Meadow, our science curriculum provides the foundations for understanding the world and encourages our pupils to recognise the power of explanation and develop a sense of excited curiosity about natural phenomena. Science changes the way we live our modern lives and is integral to our future. As such, we have the high ambition that all pupils are taught the essential foundational knowledge as well as scientific skills, processes and methods. They are encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse the causes.  As scientists, our pupils experience the subject through an assortment of specific skills, which help them think scientifically using enquiry, investigation and questioning. Through first-hand experience in using the different types of scientific enquiry, children have the opportunity to answer scientific questions about the world around them. Pupils will develop their scientific oracy when describing and explaining their understanding as they progress through the curriculum. At times, pupils may discuss issues, which affect their own lives, the community, and globally both occurring now or in the future.  **“Science is the torch which illuminates the world.” -Louis Pasteur** | Sequencing Content \*Knowledge is mapped out sequentially to ensure progression across the key stages  \*Teachers make a conscious effort to link prior learning and to build on existing understanding  \*National Curriculum statements for ‘working scientifically’ are progressive for each key stage | Big Ideas \*Plants  \*Animals, including humans  \*Living things and their habitats  \*Earth and Space  \*Forces  \*Materials |
| Deepening Concepts \*Scientific concepts are deepened using the key working scientifically skills of:  -Asking and answering questions  -Practical enquiries  -Recording/presenting findings | Retrieval Practice \*Remembering key learning and knowledge is celebrated and part of our school culture  \*Children take part in regular quizzes and retrieval activities to strengthen memory  \*Key learning sheets are used make clear the end points of our curriculum and are used to allow children to access and reinforce key concepts |