Trafalgar Infant School: Science Curriculum Overview

Subject	Intent	Implementation	Impact
Science ***Knowledge:*** • Biology • Chemistry • Physics ***Skills*** • Enquiry • Working Scientifically	The curriculum will ensure children will be able to: • study the science disciplines of biology, chemistry and physics • use a range of science enquiry types to answer scientific problems • • develop scientific skills in order to raise questions and find answers to scientific problems • • know about the work that different scientists carry out, including significant scientists and their contributions	We follow the national curriculum in science. The science overview outlines what is covered in each year group and how the subject is sequenced. Knowledge and skills build to ensure there is progression through our curriculum. **Lessons include:** • learning questions for children to explore and find answers to • exposure to a range of enquiry type to answer questions: • identification and classification • pattern seeking • research • observation over time • practical, hands-on experiences to promote the enjoyment of science and the development of cultural capital • the development of science skills, which are embedded throughout all lessons • exposure to a range of significant scientists, both modern and contemporary • adaption to suit all abilities • regular visits to our Meadway site Regular walks and visits within our local community including The Stockyard at Busy Park, London Zoo and Bockets Farm In the Foundation Stage opportunities should be given for scientific exploratory play; exploring, observing, experimenting, questioning and recording. **Pupils regularly have the opportunity to:** • practical activities both indoors and outdoors • investigations, both adult and child led • activities where they work independently, collaboratively in pairs or groups, as a whole class, indoors and outdoors **Timing:** Science is taught weekly **Supported by:** Association of Science Education (ASE), STEM Learning, Primary Science Teaching Trust (PSTT), Ogden Trust	**Assessment includes:** • pupil self-assessment • regular recap of prior knowledge to check understanding, using assessment for learning, quizzes, unit/year/KS tests • on-going assessment during lessons and marking, with teachers adapting planning as required • monitoring of end points to review children's progress • a mixture of end of topic and end of term tests/quizzes are carried out to inform teachers' judgments **Monitoring:** • on-going check-ins between subject leads and teachers • regular monitoring by SLT and subject leads on a timetabled cycle.