



NORTH WEST LONDON JEWISH DAY SCHOOL

SCIENCE

POLICY

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North West Primary School – Science Policy

Philosophy & Intent

- At North West, we believe Science should be enjoyable, inclusive, and rooted in curiosity. Teachers model positive attitudes and inspire children to see that *anyone can be a scientist* — to think, discover, and invent like scientists.
- We value *inductive learning*: children explore and investigate before receiving direct instruction. Science encourages higher-order thinking through questioning, experimentation, and collaboration. Lessons make clear links between Science, other subjects, and real-life applications.
- Science at North West is *experiential* — children take part in practical, hands-on activities, trips, workshops, assemblies, and clubs. We aim to build confident, independent learners who understand the importance of Science in everyday life and the wider world.

Aims / Purposes

Our Science curriculum aims to:

- Deliver an engaging, progressive programme for EYFS, KS1 and KS2, aligned with the National Curriculum.
- Nurture curiosity and a lifelong enthusiasm for Science.
- Develop secure knowledge of key scientific concepts and vocabulary.
- Promote investigative and problem-solving skills through practical work.
- Strengthen pupils' ability to collect, analyse, and communicate data effectively.
- Extend learning beyond the classroom through outdoor learning, local visits, and environmental projects.
- Ensure equality of access so that every child can succeed in Science.

Implementation

- Science is taught through clear, well-sequenced units that ensure progression of knowledge and enquiry skills. Each unit embeds the *Working Scientifically* strands — observing, pattern seeking, fair testing, classifying, researching, and presenting findings.
- Teachers use practical investigations to spark curiosity and build understanding. Assessment for learning is continuous, identifying gaps and guiding next steps. Lessons are differentiated to ensure that all pupils are supported and challenged appropriately.
- The Science Lead monitors curriculum coverage, progression, and quality of teaching through planning checks, book looks, and pupil discussions. Regular staff development ensures consistent practice and confidence in teaching Science.
- Our local environment, school grounds, and community provide rich contexts for learning. Cross-curricular links with Mathematics, Computing, Geography, Design & Technology, and PSHE help children apply their scientific understanding across subjects.

Impact

Through our Science curriculum, children:

- Develop secure knowledge and understanding of biology, chemistry, and physics.
- Gain confidence in using scientific vocabulary to explain and discuss ideas.
- Apply their knowledge to practical investigations and everyday situations.
- Show curiosity, resilience, and independence as scientific thinkers.
- Appreciate the work of scientists from different cultures and backgrounds.
- Enjoyment is central: Science at North West aims to inspire awe, wonder, and a sense of possibility about the world.

Inclusion & Equal Opportunities

- All pupils, including those with SEND, have equal access to high-quality Science teaching and resources. Lessons are adapted to meet diverse learning needs, and enrichment activities are designed to be inclusive. We celebrate diversity by exploring contributions from scientists of varied genders, cultures, and backgrounds.

Health & Safety

- All practical work follows school health and safety policies. Staff ensure appropriate risk assessments, safe use of equipment, and supervision during investigations and trips.

Review

- This policy will be reviewed every **two years**, or earlier if national curriculum guidance changes.

Next review: November 2027