



### **What does a Science lesson look like in our school?**

- Children engaged and enjoying Science.
- It is difficult to summarise a typical Science lesson at GMJS as the children are given a lot of opportunity to make their own choices, ask their own questions, carry out their own experiments and record their findings in a method of their own choice.
- Lessons are consequently different and varied.
- The Science curriculum is taught in great detail across the school. Coverage is comprehensive.
- Science lessons include the opportunity for children to be involved in asking relevant questions, planning different types of scientific investigations, recognising and controlling variables, taking measurements using a range of scientific equipment, recording data and using their findings to make predictions.
- Lessons are practical with opportunities to be hands-on.
- Many Science lessons at GMJS have strong cross-curricular links and include literacy- writing reports, Computing- the use of iPads for research, word processing for presentations and iPad apps for data logging.
- Maths is also used when the children present their experiment results in charts, tables and frequency diagrams etc.
- We take part in many out-of-school learning experiences and invite Scientists into school to enhance the children's learning within Science.
- Trips include visits to The Museum of Science and Industry and Macclesfield Forest to conduct rocks and soils investigations.
- Visits to school include planetariums to develop 'Earth, Sun and Moon' with Year 5, The University of Leeds to conduct an engineering workshop with Year 3 and Science teachers from Stockport School to conduct experiments with Year 6.

### **How does Science work at Great Moor Junior School?**

- At GMJS Science lessons are taught in blocked units of work based on the National Curriculum (modules).
- Modules range from rocks and plants to evolution.
- We cover a comprehensive range of topics that are taught in a creative, interactive and stimulating ways.
- Throughout all of the modules, teachers at GMJS place a big emphasis on 'Working Scientifically'.
- Pupils are given a range of scientific experiences to enable them to raise their own questions about the world around them.

### **What Assessment takes place?**

- Assessment grids are divided up into year groups and modules, they are swiped/ ticked to show achievement. These are taken from the National Curriculum.
- Summative assessment is a key tool during and after each lesson.
- At the end of the module, EMX is used to determine the ability of each children in the topic. These assessments are uploaded to 'SIMS AM7'
- The children regularly self-assess and reflect on their progress.