

## **Science Curriculum Intent**

Pupils will

- ✓ think independently and ask questions about the knowledge and skills that working scientifically develops.
- ✓ have confidence and competence in the full range of practical skills, taking the initiative in planning and carrying out scientific investigations and working collaboratively.
- ✓ have good scientific knowledge and understanding demonstrated in written and verbal explanations, appropriate use of vocabulary, confidence to solve problems and report scientific findings.
- ✓ have confidence to set their knowledge in a context using original thinking and imagination to apply learning in different ways.
- ✓ have the skills and understanding to undertake practical work in a variety of contexts including fieldwork.
- ✓ have a real interest in Science and its application in the past, present and future.

## **Science Curriculum Implementation**

- EYFS learn science through the delivery of focussed group teaching sessions relevant and appropriate to their needs and in line with the development matters document.
- All pupils from Year 1 to Year 6 have a weekly science lesson. We use Hamilton Trust to support our delivery of the National Curriculum programs of study. Science knowledge content is taught alongside the 'Working Scientifically' programs of study. Science content is planned and delivered across milestone phases with opportunity to recap and revisit vocabulary and knowledge at various intervals. See attached long term plan.
- Vocabulary is planned for each unit of work and shared with parents and pupils via the knowledge organiser. It is taught in the context of each lesson and revised throughout the unit.
- Connections are made with prior units of learning in previous years and phases.
- Opportunities for enrichment in order to deepen the pupils understanding and give them 'Science capital' connecting the real world and their learning and motivating them further their study of science.

## **Science Curriculum Impact**

Pupils will

- be excited by their learning and have a passion to share their learning in lessons and in their wider lives
- have their curiosity satisfied through exploration, research and observation and know where to look further to deepen their knowledge
- make connections in their learning of science and other subjects
- question, experiment and enjoy.