SCIENCE

INTENT – We aim to…

Teach skills that progress throughout KS2	Recognize the importance of science in every aspect of every day life	Increase pupils' knowledge and understanding of the world	Develop pupils' skills associated with science as a process of enquiry	Develop the natural curiosity of each pupil	Enable pupils to become enquiry-based learners

IMPLEMENTATION – How do we achieve our aims?

PLANNING: At Lowe's Wong Junior, Science is planned using the National Curriculum, alongside supporting documents (Primary Science Assessment PLAN). Planning ensures progression across the school from Y3 to Year 6. Children are taught topics in year groups; all children are given the opportunity to investigate (working scientifically) in each topic. All pupils have the opportunity of visits and visitors to bring their science learning to life.	RECORDING: At our school children have a topic book and work can be recorded in writing, diagrams, and photographs. Work can also be recorded on videos. We ensure that time is given to focus on different steps of an experiment. From questioning and hypothesizing, planning and gathering recording and drawing conclusions following an investigation all aspects have a focus over each academic year. These conclusions demonstrate the depth of the children's knowledge and understanding.
ASSESSMENT: Progress over time is achieved through careful tracking and monitoring with reference to our progression maps. Teachers use their professional judgement based on both oral and written responses. Assessments are based upon a variety of sources: quizzes, tests, discussions, written/recorded reports.	VOCABULARY: The use of the correct vocabulary in science is crucial and so key vocab is identified and listed for each unit of learning. This is then used to assess knowledge and enables pupils to express and communicate their understanding clearly and effectively.
WIDER OPPORTUNITIES: We encourage practical activities to enhance the learning of aspects of science during individual topics. Additional visits and visitors happen across the year groups. for example, a visit to Creswell Crags in Y3 including hands on rock classification, a visit to The Deep in Y4, planetarium and VR experiences in Y5 and a residential in Y6 encompassing fossils, adaptations and habitats.	SEND and INCLUSION: Our SEN children are supported to access the science curriculum through careful teacher assessment. Lessons are carefully planned and resourced to enable all children to access their learning at an appropriate level, helping them to engage and be challenged. Children are supported in a variety of ways e.g. support from adults or peers in the classroom and differentiated activities.

IMPACT – How do we know we have achieved our aims?

Evidence shows progression of what is taught	Children can question ideas and reflect on their knowledge	Children can draw conclusions following investigations	Children are equipped with scientific knowledge and skills, ready for their future	Children can suggest ways to investigate a hypothesis, forming a fair test.	Children are able to articulate their understanding of scientific concepts using scientific language