Edison Primary School

Subject Leader Action plan –2020-2021	Name: S. Juneja Subject: Science

Strengths	Areas for development	Action points
We are now raising the profile of science even further through our school by making science the focus of many subjects across the curriculum where it is applicable. Pupils are then given the opportunity to think Scientifically throughout their day. Children and staff have a love for science and we prioritise Science in our curriculum ensure pupil have at least 2 hours of science lesson a week.	Improving the consistency of how science is taught across the school. Ensuring Science is being assessed termly and plans to close gaps are being made. To ensure pupils are consistently working scientifically and are aware of why and how.	Science lead will introduce Snap Science as a scheme of work for the school. SL will lead CPD session to ensure staff feel confident teaching Science using this scheme. All staff will have access to the same form of Science assessment (Headstart Science) to ensure consistency. All staff will upload data on classroom monitor and this will be checked termly. Staff will be training on how to plan science lessons with WS as part of the focus.

Our Intent

The national curriculum for science aims to ensure that all pupils:

- develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics
- develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them
- are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

We believe science education 'provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science has changed our lives and is vital to the world's future prosperity, and we believe all pupils should be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of

rational explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.' (The National Curriculum in England Framework Document (DfE) 2014)

We strive to provide a curriculum that all pupils will find enjoyable with them understanding the relevance of their lessons. This can only be achieved by using the experience, enthusiasm and specialism of individual teachers who provide interesting, relevant, purposeful and differentiated lessons based on real-life experiences, wherever possible, in a structured well-ordered classroom environment.

Objective	Lead person	Action needed	Resources	Success Criteria	Monitoring How and by whom?	Timescale	Evaluation and impact on learning	RAG
1. To develop consistent approach to teaching across the school.	• SL	• Introduce Snap Science scheme of work for EYFS-year 4. • Lead CPD sessions on how to use the scheme.	• Snap Science scheme of work • Cost £450 for 15-month subscription. The impact to be reviewed after 15 months.	Science lead will lead CPD sessions to ensure all staff feel confident to teach science. Regular monitoring on books and conversations with teachers to see the impact.	SL – Check long term /medium term plans Book looks	Ongoing		
2. To ensure Science is the at the centre of planning.	• SL, CT	• Create a whole school long-term Science plan. • Teachers plan around Science focus across the curriculum.	• Long term Science plan • Long-term year group plans.	Share new long-term Science plans with staff. Check staff have planned topics around Science.	SL – Check medium and long term plans. Check this matches book work.	Termly		
3. To ensure coverage across the school	• SL and CT	• Create a school coverage plan. Ensure all teachers are aware of the yearly objectives. • To conduct a book survey/work scrutiny across the school to check covereage, identifying strengths and areas for development.	• Snap Science medium and long term plans. • National curriculum. •	Take three books across the ability range from all classes. Complete a feedback sheet to individual teachers highlighting strengths and areas of development. Pick up any whole school issues and address them in a staff meeting.	SL – Check objectives match Snap science.	Termly		
4. To ensure pupils are taking part in lessons based around working scientifically and scientific enquiry.	• SL and CT	• To ensure that staff know the importance of 'Working Scientifically' • Create a document linked to coverage of experiments and AT1	• Complete AT1 document	Staff meeting to discuss ATI document	SL/SLT – Observe lessons.	End of year		
5. To develop own subject knowledge	• CT	• Attend LA science meetings (cluster groups)	• Dfe – Science overview. • Snap Science yearly overview.	Science lead will have a winder understanding and	SL – Read and familiarise	Termly		

across the all year groups.		• Identify objectives for each year groups.		knowledge of the schools science curriculum.	myself with aims for each year group. Support with teacher planning.			
6. To improve and monitor assessment	• SL	• Identify the schools assessments for Science.	• Snap science assessment	Identify the strength and weaknesses in data. CPD for teachers during staff meetings to implement assessment strategies.	SL – Run CPD sessions and check data on classroom monitor is up to date.	End of term 2.		