Y3 Science Overview 2019-2020

Science Activity	Desired Skills	Approaches to Developing Skills	Desired Knowledge and Understanding	Approaches Developing Knowledge and Understanding	Curricula Materials	Assessed through (T1 T2 T3) Scientific Enquiry Planning & Presenting Critically Observing/ Classifying/ Evaluating Scientific Knowledge		
and Presenting	 To record observations in different ways (labels, diagrams, charts) Describe what they have found using scientific vocabulary Identify differences, similarities or changes related to simple scientific ideas and processes To use straightforward scientific evidence Make accurate measurements using standard units To use relevant scientific language to discuss their ideas and communicate their findings in ways that are appropriate for different audiences 	 investigating, recording, analysing Modelling use of scientific vocabulary in comparisons, contrasts, investigations To use relevant scientific language to discuss their ideas and communicate their findings in ways that are appropriate for different audiences Planned practical activities to engage children in above activities 						
Critically Observing/ Classificatio n/ Evaluating	 To ask relevant questions using correct scientific vocabulary To gather, record, classify and present data in a variety of ways to help answer questions To record findings using simple using drawings, labelled diagrams, charts and tables. To report findings from enquires, including oral and written explanations With support children should identify new questions arising from data, making predictions within or beyond the data they have collected and finding ways to improve what they have already done 	 Observing changes over time Investigating habitats and environments Learning to compare and contrast Talking about what they have learnt and observed Begin to record data 						
Scientific Knowledge	 To understand and use the correct scientific vocabulary related to the topic To observe, comment and ask questions about the world around them To connect ideas from previous learning and experiences To learn about change through observations and practical experiences and activities With support to set up an investigation To begin to gain an understanding of fair testing To know where to access information (books, internet sources) 	 Planned opportunities to observe, investigate and comment using scientific vocabulary based on topics and experiences Opportunities for children research their own line of enquiry To understand when and how secondary sources might help them to answer questions that cannot be answered through practical investigations 						
Maths links	 To use labels, diagrams and charts to record their observations To compare objects, plants, animals by size, height and weight To take accurate measurements using standard units, using a range of equipment, including thermometers To accurately interpret these measurements 	 Planned opportunities depending on topic such as deciding how to present findings via tally counting, graphs, and data analysis or measures 						
SMSC	 Working with others of different religious, ethnic and socioeconomic backgrounds, according to given briefs wider knowledge of Y3 science curriculum Resolve conflicts and differing opinions should these arise Reflection on choices Investigating and offering views on ethical issues in topics studied Opportunities to and willingness to explore and understand scientific beliefs from a variety of cultural backgrounds Study of science, investigating with a team, knowledge of wider world, interview with older people, archaeologists, museum and exhibition trips 	 Plan visits, opportunities to investigate with a group or partner Plan visits in the local environment Visit Parks, Museums, etc 						