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| <b>Subject/Area: Science</b> | <b>Leader(s): Caroline Perrin</b> |
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| <b>Quality of teaching and learning; outcomes for children</b>    |  |
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| <p><b>Activities and improvements during the year 2019/20</b></p> | <ul style="list-style-type: none"> <li>• Whole school worked towards and achieved the Primary Science Quality Mark (June 2020).</li> <li>• SLT Trust enrichment event arranged for greater depth children March 2020 (cancelled due to school closures).</li> <li>• Book scrutiny looking at the impact of five types of scientific enquiry staff meeting (Feb 2020).</li> <li>• Science working wall displays evident in all classrooms to promote the teaching and learning of science.</li> <li>• Science ambassadors elected from year 2 to 6 to work with science lead on various science enrichment projects throughout the year. E.g. science lunchtime club.</li> <li>• Two voluntary science whole school homework projects held with a high level of response from children ('The Burning Question' Oct 2019 &amp; 'Not all scientists work in a laboratory' Feb 2020)</li> <li>• Science link governor appointed (Dec 2019).</li> <li>• Science enrichment activities such as Teddy Bear Hospital for pre-school, Year 3 and Year 6, Science assemblies, science lunch time clubs, Science Week Mother's Day activity (arranged but postponed due to school closures).</li> <li>• Established links with LRI genetics department and University of Leicester Engineering Dept to come into school as STEM ambassadors (postponed due to school closures)</li> <li>• Whole school science display 'The Burning Question' (Oct 2019)</li> <li>• Science staff meeting (Oct 2019) to improve staff knowledge of Working Scientifically and to share practical resource ideas.</li> </ul> |
| <p><b>Overall evaluation of impact on subject</b></p>             | <ul style="list-style-type: none"> <li>• Teaching and outcomes in science continue to improve as a result of school participating in PSQM process.</li> <li>• Feedback from school PSQM assessor commented that our submission was 'a strong submission' and that he 'absolutely recommended' The Meadow School to achieve PSQM status.</li> <li>• Science is now evident throughout the school in the form of working walls and a whole school science display.</li> <li>• Establishing children as science ambassadors has encouraged children to actively get involved with promoting science beyond the classroom and ambassadors have encouraged their peers to join in events at lunchtime too.</li> <li>• Responses from children's voice survey (Dec 2019) indicated how much the children were enjoying the science lunchtime club and homework projects.</li> <li>• Book scrutiny showed evidence of the five types of enquiry being used and resources such as Explorify suggested at staff meeting are being used. Some evidence of children asking, planning, investigating and evaluating own questions (need to keep working on).</li> <li>• Science enrichment activities are helping children at the Meadow to see science beyond the curriculum and promoting children's awareness of science capital.</li> </ul>  |



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|  | <ul style="list-style-type: none"><li>• Through activities such as science homework projects and enrichment events, parents are becoming more involved in their child's learning in science.</li><li>• Science is beginning to take place beyond discreet lessons. E.g. SODA activities, monthly lunchtime club, visitors to school, whole school homework projects and science assemblies.</li></ul> |
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### Judgement (pick one based upon the above evaluation):

Outstanding

Good

Requires improvement

### On the basis of this information, what are your key priorities for development? (up to 3)

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| <ul style="list-style-type: none"><li>• Work with SLT science leaders to review assessment in science across the Trust</li></ul>         |
| <ul style="list-style-type: none"><li>• Organise enrichment events for science week 2021</li></ul>                                       |
| <ul style="list-style-type: none"><li>• Organise a whole school science event to promote reading. E.g. Science through a story</li></ul> |



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| <b>Improvement plan for the year 2019-20</b>   |   |   |   |                             |  |   |
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| <b>What</b> do we want to improve?<br>(area for development)                         | <b>How</b> will we go about it?   | <b>When</b> will it happen and be completed?      | What will <b>success</b> look like/anticipated <b>impact</b> ?  | <b>Cost (if applicable)</b> | <b>Who</b> will monitor its impact and to <b>whom</b> will this be reported (e.g. governor)? | <b>Relevant links to School priority 1,2,3 or 4</b> |
| SL to work with SLT science leaders to review assessment in science across the Trust | Science leaders to discuss at SLT science meeting November 2020 (this was to be the focus of the SLT meeting in the summer term but was cancelled due to Covid).<br>Autumn term meeting will be a virtual meeting so may need to be looked at later in the year when we can meet. | <i>Ongoing but to be completed by Summer 2021</i> | An improved whole school assessment system is in place and being used effectively throughout the school.<br><br>Teachers will have a better understanding of where children are working at in science and be better informed to provide accurate information to complete Trust data tracker system.<br><br>Subject leader, SMT and teachers are better equip to identify gaps in children's learning. | N/A                         | SL to feedback to SLT, class teachers and science link governor                              | Priority 2:<br>To improve GDS at the end of KS2     |



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| <p>To organise enrichment events for science week 2021</p> | <p>SL and teaching staff to organise events based on theme for Science Week 2021. <i>Organise across key stages or bubbles to be decided nearer the time.</i></p> <p>SL to establish links with outside agencies. E.g. STEM ambassadors, University of Leicester, Wigston Academy</p> <p>SL to continue success of appointing a team of science ambassadors (representatives from years 2 to 6) to help promote science activities and events in school. <i>Need to consider how this will run while school is currently organised into year group bubbles.</i></p> <p>SL to look into 3M's science activity at Loughborough University.</p> <p><i>Rearrange Mother's Day science and DT afternoon which had to be cancelled last year.</i></p> <p><i>Rearrange SLT science event for greater depth children which was cancelled last year.</i></p> | <p>March 2021</p> | <p>Science Week 2021 is a much bigger event involving all staff and children throughout the school and encourages parental involvement too.</p> <p>Children to see experience science beyond discreet science lessons</p> | <p><i>Science budget/ Ask Parents group for support</i></p> | <p>SL to communicate to SLT, class teachers and science link governor</p> | <p>Priority 3:<br/>To develop and embrace pupil and staff well-being with a focus on reintegration into school after COVID-19 lockdown</p> |
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| <b>Improvement plan for the year 2019-20</b>   |  |   |  |  |  |   |
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| <b>What</b> do we want to improve?<br>(area for development)                           | <b>How</b> will we go about it?  | <b>When</b> will it happen and be completed?                                    | What will <b>success</b> look like/anticipated <b>impact</b> ?                                       | <b>Cost</b> (if applicable)                            | <b>Who</b> will monitor its impact and to <b>whom</b> will this be reported (e.g. governor)? | <b>Relevant links to School priority 1,2,3 or 4</b>                   |
| Organise a science event to promote reading in school<br>E.g. Science through a story. | <p>Liaise with English coordinator</p> <p>Possible ideas could be to organise as a whole school homework project or a day event in school</p> <p>SL to support year groups with suggested story ideas and activities if needed</p> | <i>March 2021<br/>(National reading day and Science Week are both in March)</i> | Children will be encouraged to read by linking stories to fun and interactive science investigations | <i>Possible cost if staff need to buy in resources</i> | SL to communicate to SLT, class teachers and science link governor                           | Priority 1:<br>To improve the attainment at KS2 in respect to reading |



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|  | <b>Autumn Term</b>  | <b>Spring Term</b>  | <b>Summer Term</b>   |
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| <b>Subject specific tasks for the year</b> | <p>Organise and update audit of science resources</p> <p>SL look at TAPs assessment</p> <p>Speak to Tim Barrow (English Lead) about Science through a story event</p> <p>Set up a team of science ambassadors for the new year (may need to delay until spring term)</p> <p>SL to take on new role as chair of SLT. Meeting to be held Nov 2020</p> | <p>Organise Science through a story event</p> <p>Organise Science Week 2021</p> <p>Staff meeting – assessment and introduce Science Week theme/time to plan ideas</p> <p>SLT science lead meeting</p> <p>SL learning walk and children's voice survey</p> <p>Arrange a meeting with science link governor</p> | <p>Book scrutiny – focus assessment</p> <p>SLT science lead meeting</p> <p>End of year audit resources</p> <p>SL analysis of KS1 and KS2 results</p> |



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