**Science Curriculum Action Plan**

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| **ACTION PLAN** | | | |
| **Key Improvement Priority:**  **Priority 1- Create a progression map of skills – sequencing to ensure quality of education (SIP)**  **Priority 2 – Assessment - Get scheme of work with clear assessment resources**  **Priority 3 – Resources – check and update** | | **Year**  **2021-22** | **Lead persons accountable for the plan: Philippa Housden** |
| **Focus on outcomes. Specific, measurable impact on pupils.** |  | | |

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| INTENT | IMPLEMENTATION | LEAD PERSON | RESOURCES | IMPACT | MONITORING & EVALUATION |
| Continue to create opportunities to celebrate science | In line with British Science Week, continue to celebrate a ‘Science Day’ each year  Organise trips to enrich the curriculum | PH  Science teachers | Diary dates  Staff meeting | * To make science more meaningful and exciting. Give varied and rich experiences (SIP) * To challenge stereotypes linked to Science (careers) * To create meaningful opportunities for children to appreciate diversity | July 2022 |
| Purchase new SOW with resources, opportunities for character development and ideas for assessment | Talk to other schools in hub and Governor  Purchase new scheme of work | PH | Email  Budget | * To introduce up to date teaching methods and resources * To maintain engagement and excitement of ALL children * To streamline how teachers are assessing | March 2022 |
| Review how investigation skills are assessed across all years in science. | Review the investigation focus from KS1 -> LKS2 ->UKS2.  Ensure progression in line with NC  Create new skills table for each year group  Decide how this is going to be displayed (in books?) which will also allow it to move up with children as they grow in the school | PH  PH  JC | National curriculum standards  Email other schools | * To maintain children’s independence and confidence in self-assessment * To maintain progression of investigation skills across the school * To build confidence of teachers in assessment * To better inform children and teachers of learning progression | March 2022  December 2021 |
| Continue to monitor science equipment/resources, especially consumables | Create a list of resources and a sign in / out sheet  Look at what is being used and not used within lessons  Order relevant equipment | JC  JC  JC | * School catalogues | * To manage budget effectively * To ensure staff are aware of the resources available * To ensure children are being exposed to, and able to use high quality, up-to-date resources | December 2021 |
| Focus on key scientific vocabulary and character qualities within lessons | Focus on key scientific vocabulary and character qualities within lessons and reinforce this with displays | Science teachers | * Science displays * Lesson plans * Teaching * Books | * To improve understanding and appreciation of scientific language * To reinforce the importance of character to the development of every child * To appreciate links with other areas of the curriculum | Ongoing |
| Review sequencing of topics with individual teachers to check topics are being taught in the most effective order and to ensure cross-curricular links where appropriate | Review curriculum sequence table | PH and Teachers | * Sequencing table * NC | * To improve and maintain engagement of children * To ensure high-quality and challenging work for all children, including SEND and disadvantaged children | December 2021 |
| Continue to increase fluency of previous Science knowledge | Early morning work to cover previous terms learning.  Educational Quizzes  Displays to encourage discussions and ironing out of misconceptions | Teachers | [www.education](http://www.education)  quizzes.com | * To embed knowledge | Check regularly in staff meetings |
| Reflect on pupil voice with regards to enjoyment and learning | Interview (at least) 2 pupils from each class | Science Team | * Pupil questions | * To improve and maintain engagement of children * To ensure high-quality and challenging work for all children, including SEND and disadvantaged children * To check knowledge is embedded | March 2022 |
| Monitor staff skills and confidence on subject | Look to see if online courses are available  Observe science teachers teaching and give feedback  Book look | Science Team | * Courses * Observations * Learning walk * Science resources. * Children’s books | * To empower teachers in science * To increase engagement of and develop progression of children’s learning | Ongoing  Science staff INSET (tbc) |

Review date: March 2022

By whom: PH