

PSQM Science Development Log

Colour code your entries as CPD for Subject Leader, CPD for other staff, monitoring activities, meetings with SLT, events/enrichment and other. PSQM Outreach schools (only) should colour code entries for PSQM Outreach activities.

Note that CPD is more than just courses and should include a range of examples of professional support including reading, monitoring activity, informal meetings with a colleague to help with planning etc.

Date	Activity	Who was involved	A sentence or two to explain the IMPACT	What will you do as a result?
Example: 21/10	PSQM Training session 1	CC	CC understands more about PSQM and is starting to think about Science needs of school and how she wants to develop as a reflective leader.	Carry out gap tasks - school self-assessment, PSQM VLE, start log and learn about being a reflective leader.
23/10	Meeting with head teacher to discuss curriculum for foundation	RH CC JW	To develop the science curriculum and skills across the primary age range to build on prior skills and knowledge.	Implement the new curriculum ideas and the skills development throughout the school
12/11	Virtual visit from Chester Zoo	CC AS BM	To enhance the learning plastic pollution and its impact on the ocean.	Children were to research the different animals and produce topic work to understand the dangers of plastic pollution in the water. They were to use this knowledge to present to others and make them aware of the dangers.
24/11	Tree planting and outdoor classroom development	Outside agent All children and staff	The outdoor classroom needed cutting back as it had become overgrown, a wood shelter is needed and hedgehog houses added. The children will also plant trees around the school grounds and create a forest area	This will increase the use of the overgrown outdoor classroom and help the children to understand about nature and the importance of trees in the environment. The areas are getting far more use and we are working towards this continuing with a forest school teacher.

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1/12	PSQM Training session 2	CC	CC now knows the actions needed to take before the next meeting and has been shown examples of this	Complete the staff meeting via online survey and post it notes in the staffroom to gain an understanding of staffs view. Children to complete an online form for pupil voice. This will be used to inform the next steps needed for the school to develop in science teaching and how we can best do this. Th information will be discussed in staff meetings.
1/12	Monitoring science assessment	CC RH MH SJ JW	Senior management and science co-ordinator are to meet for the standardisation of science across the school	Inform staff of any areas for development, this will be used to assist teachers in their teaching of science and CPD opportunities will be given where appropriate. Coverage of science will be noted and areas of weakness will be shared in an appropriate way. Discuss whether the levels awarded were correct and what opportunities are needed if they aren't.
2/12	Visiting Conservation Canine Consultancy	HD JW	Children in year one and two had a visit from Conservation Canine Consultancy to find out about hedgehogs, habitats and the use of dogs to help. Following on from hedgehog houses being added to the outdoor classroom area	Children will have learned about looking after hedgehogs, helping them when they are sick and they will be building hedgehog houses and making their own hedgehog out of clay. They will share this with social media.
3/12/20	Send out a forms questionnaire for staff about teaching science	CC	We are planning to use this to add to our vision statement and how we can assist staff in the teaching of science	Discuss the findings and write our vision statement as a staff. I will look at ways to support staff more in the teaching of science and give help and

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				advise on any CPD opportunities there are
5/12/20	Science noticeboard/display in staffroom		To keep all staff informed of our progress towards the quality mark. They can add staff voice and needs too.	Keep the board up to date and give assistance where needed in the form of training needs and resources, they will share evidence of the science work they have done .
8/12/20	British Science Week 2021 Kick Start Grants.	RH	Application for the kick start grant. This will help us to enrich and embed the teaching of science through online visits (Technquest) enhance the teaching through resources and wider provision	To take an active part in the British science week. Classes will take part in the science week and show their work on social media. The grants will be used to develop and enrich the teaching of science and enhance the children's learning experiences.
11/12/20	Online course Support for the Science and Technology curriculum	CC	A look at the new curriculum and how we can support learners and place them at the heart of assessment. Look at the wide range of assessment methods and to plan for these opportunities in teaching	The information will be shared with the staff as part of our ongoing staff meetings and twilight sessions. We will begin to try some of the methods in different lessons and discuss what will work for our school moving forward.
10/1/21	Added science PSQM to the school website	CC RH	To introduce the children and parents to our work in science and the ways we are promoting science as a key curriculum area.	To keep the parents up to date with what is happening in school, to promote our ideas on how we teach science and celebrate our achievements.
26/1/21	Meeting with management to discuss the PSQM so far	CC RH	Discuss what we have done so far towards the quality mark and the vision for where we want to go next	This discussion assisted the PSQM lead in school to share the work done so far and to celebrate the achievements.

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				The next steps needed to progress further and a staff meeting was timetabled about the teaching of science and ways we can find out what the children already know o we can build on and improve their knowledge and understanding
26/1/21	PSQM training session 3	CC	CC now knows the actions needed to take before the next meeting and has been shown examples of this.	I will update the science development log and make sure that all the key activities are logged. Complete two or more action to reflection planner sections and upload to the VLE
10/2/21	Supporting learner progression through assessment - for teachers in Wales only	CC	To look at the ways we can effectively assess learning in the new curriculum	I will share the range of assessment methods and outcomes from the course with the school. We will look at our assessment model and adapt it toward the new curriculum model.
Feb 21	Teachers to sign back into Primary Resources Science Reach Out CPD to look for the online learning and training for their topic areas	All staff	Staff will have a deeper understanding of the science behind the topic they will be leading for the children. This will help them to feel more confident and give them more ideas	Keep a copy of the training completed by all staff and offer other opportunities should they arise for CPD
Jan 21	Ordered concept cartoons and some outdoor learning books	RH CC	Staff will begin to use these ideas in their teaching to support and enhance their teaching. The books offer some good ideas for teachers who are a little less confident as they contain the science behind the concept or activity.	Monitor the use and effectiveness, provide opportunities for staff to visit each other and see these in use in the classroom.
27 th Jan	Build a whole school display of science	CC	This will focus the children on science in our school, the community and the wider world, putting the subject in contexts.	Contact parent and ask them for information about any jobs they or their family members do in the area of

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				science. Collate the information and add it to the display. I will also look at the news around the world and add events regularly to the wall. This helps children to see science in action.
9 th Feb	Deliver training to teacher training year 1 students from Edge Hill university	CC RH	First year students will have a greater understanding of the science curriculum and how lessons are taught	The students will be given a task set by RH. They will begin to have a greater understanding of how the teaching of science is approached in a primary school setting.
10 th Feb	Course- Supporting learner progression through assessment	CC	To develop my awareness of the new curriculum and ways to assess learners to progress	To begin to focus on the new method of assessments in line with the new curriculum and how we can use these in school. See above for first part of course
23 rd Feb	PSQM meeting 4	CC	To focus on becoming more aware of the science in the school as a whole. Undertaking learning walks and scrutinies to help develop an awareness of how science is developing in the school.	Use this information to inform future planning for staff meeting time, conduct a learning walk looking for evidence of good quality science teaching and learning through the school. This will have to be done by co-ordinator after the school day due to 'bubbles'.
5 th -14 th March	British Science Week	All Staff	This highlighted the teaching of science in the school, providing lots of hands on experiences and experiments for the children to complete in each year group.	Work was shared on the website and via other social media platforms held by the school. I will plan for next year's British Science Week and hold a staff meeting nearer the time about the theme and what worked well this year

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				and how we can better it next time around.
16 th March	Science co-ordinator to discuss teaching science with the governors	CC Governors	This meeting was to bring the governors up to date with the science vision, how we have been teaching science through the pandemic and where we are headed with the new curriculum.	Once the governors are able to, they will be invited in to see the fantastic work the school have been doing to progress the teaching and learning of science across the primary age.
22 nd March	Introduction to scratch with Technocamps	Year 3 and 4	The children will be introduced to the program Scratch and will look at control.	Children will begin to use Scratch as a control element in their ICT lessons, they will use it in different ways to support and enhance their learning.
20 th April	Staff meeting on introducing a topic and resources	All staff	Staff will be introduced to the Explore, Engage, Extend activities and how they are useful as an assessment tool to understand where the learners are and the misconceptions the children have about a particular subject area. The staff will begin to implement this way of working for each new topic	The children will be more at the heart of learning and lessons will be more tailored to the needs of the children thus raising the confidence and willingness to learn science.
26 th April	Eye of the storm-Technocamps	Year 3 and 4	Children to be given an online visit by Technocamps about the extreme weather around the world and how/why it occurs. This will be the hook to engage them with their learning of the new topic	We are building more links with Technocamps and have shared them as a provider to the rest of the school, they can now book them for their own science topics in their year groups.
27 st April	PSQM session 5	CC	To focus on the Action to reflection planner and what we planned to do and what we have done, what evidence do I need?	Add to the action to reflection planner and remind staff to add their own evidence on to teams to share with PSQM lead to collate for the submission.

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29 th April	Technology- Fun, engaging and meaningful learning course	CC	To introduce more up to date technology use into everyday teaching and learning, enhancing the provision for the children.	I will begin to look at other ways to use technology to enhance the teaching and begin incorporations some of the ideas already. This information will be shared with the staff at a later date.
30 th April/6 th May	Effective leadership in science course	CC	This is to begin to look at the ways I can manage and lead the subject and the staff more effectively	I will begin to implement some of the strategies that I think will help me become a more effective leader of the subject.

Continue to update this table throughout your PSQM journey, as this forms an important part of your final submission.