### **TA Key Need:**

effective

## Continue to take part in up-to-date CPD related to Science teaching

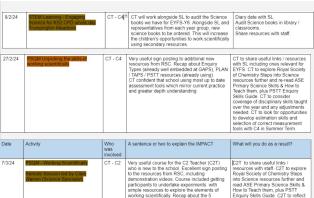
**Progress:** Staff are regularly sign-posted to Science CPDL opportunities and the impact of any training is monitored. CT's (inc new teacher) booked on Science CPD sessions via PSQM and STEM Learning as well as the SL. Teachers are encouraged to share the impact on their learning and how benefits the children; this is monitored.

CPDL is monitored by SL which ensures coverage and impact on their teaching is measured and "New York of the coverage in the coverage is the coverage in the c



This course supported our school development priority around writing and also builds upon outdoor cross-curricular learning at Abington Woods- this course will support us in maximising these opportunities, One of which is on the left when children created a woodland creature in clay at Abington Woods, then then wrote about its adaptations

Impact: 100% Positive pupil voice feedback about teacher knowledge and use of resources to engage their learning. 100% teachers regularly engage in updated CPD opportunities. Ofsted commented on teacher subject knowledge - focussed around adapting the Science curriculum for pupils with SEND and / or in receipt of Pupil Premium.



Enquiry Types (already well embedded at

EEF Improving Primary Science - 6 Key

Recommendations and Ofsted findings.

Recommended 10 Key Issues Report or

nttps://www.scienceacrossthecity.co.uk/

GAPS), PLAN / TAPS / PSTT resources, Good

eferences made to latest research, including

on Science Types of Enquiry taugh

over the year in C2 and make

balance of pupil and teacher

adjustments as necessary C2T t

watch demonstration videos and

ensure that there is an appropriate

questions, to avoid what the course referred to as 'lessons which were

During the 2023/24 PSQM journey, staff offered to complete their individual entry into the School Development Log, measuring the impact of their learning and any next steps planned.

Our next steps: Create Google Form to address any new potential skills gaps - research CPD locally to address this and /or have 1:1 sessions with SL; encourage staff to attend in person CPD as opposed to online going forward.

SUBJECT LEADER AND CPDL LOG						
SL Action  Date	Monitoring	Communication SL CPD SLT		SL CPD	Staff CPD	
	PSQM	Who?		Action	Impact	Next Steps
				evaluating skills	useful specific ideas for Y5 Materials, Lifecycles, Y6 Evolution topics	toed newt and Tiktaalik)
01.12.22	Post	SL	-	Ogden Trust Autumn Meeting	See Minutes	Spring Meeting.
28.2.23	Post	SL	*	End of KS2 SLP Moderation in Science		Bring along Science Books June for moderation - borderline
25.4.23	Post	SL	*	Primary Science Network Meeting	Updates	Staff Meeting CPDI Follow up Ma
28.4.23	Post	SL	*	Meeting LVC contact re Ogden Trust	Shared Action Plan.	To liaise with LVC re transition activities
10.5.23	Post	SL	*	Science CPDL - all staff	Shared new resources with staff	
17.5.23	Post	CT	-	FS - CPD - Plants and the Environment		

#### **TB Key Need:**

### Continue to ensure that staff are aware of new initiatives and curriculum updates are cascaded



Progress: Termly sessions by SL timetabled to ensure regularly sharing of information from Science Network Meetings, SL CPDL, initiatives from PSQM journey, Government Curriculum updates and what Teaching Good Science looks like. Facilitated sharing of our own best practice across the school.



Staff confidently use online tools such as Explorify to enhance the children's learning. In this example Explorify is used to check understanding and misconceptions at the start of lessons.

Science on a Page encapsulates at a glance new initiatives and current good practices

Pupil comments transcribed by TA in EYFS to inform next steps and address gaps and misunderstandings.



Impact: 100% teachers confident in teaching science and sharing their good practice. 100% teachers aware of current online resources and support material to deliver exciting lessons. 100% teachers understand the term Science Capital and its importance for children's learning - staff survey (Oct 2023)



Subject Leader delivers timetabled, termly Science CPD to all staff groups, sharing knowledge gained through Science Network Meetings, updates through memberships, subscription services, social media, colleagues and STEM. For example our lead outdoor growing Teaching Assistant now teaches elements of the Science curriculum to class groups as part of our curriculum offer.

Noah: "The Komodo dragon because it's the only one that's got a disguise. It can disguise letel' as a log, (What do you call it?) Camouflage"
Giulio: "The low found of argon because it's the only one without fur or feathers"
William: "The dragon is a repitle"
Zac: "The druck because it's the only one without any sharp claws" (What does it have instead) "Flippers." (Do you know what it's called?) "Waddle" (Good ids
Helped by Noah: "webbing", "(Webbed freet).
Eleni: "A goose has webbed feet, You need webbed feet for swimming"

name: "The duck because it's the only one that's not dangerous." (In what way are the others dangerous) "The inon might hunt tood to eat and the drago injust scratch."

Kian: "The lion because it's the only one with fur around its face." (What do you call it) "mane"

Explorify - Odd One Out Komodo Dragon Duck Lion - March 6, 2024

Our next steps: Continue to regularly share with staff new resources, websites and good practice including building a relationship with feeder Secondary School. This work will focus on skills and knowledge progression into Key Stage 3 ensuring that we develop the critical thinking skills required for the GCSE curriculum pathway

### TC Key Need:

# Signpost staff to new resources, maintain the Science cupboard and purchase additional as needed for Outdoor Learning



Progress: Resources being purchased for the development of the Growing Area, outdoor learning provision and STEAM area. Class and general resources audited updated as required.





Using donations from the local scientific community, resources are supplied to enhance the children's learning. Using agar plates, children were able to use scientific methods, usually found in a laboratory, to measure the bacteria on themselves and around the school. Handling the plates and avoiding cross-contamination deepened their learning about science in real life.



Y6 became Electrical Engineers today & tried to deduce which engineers produced incorrect circuit diagrams resulting in toys not working! They're then going to write to the toy manufacturer offering their advice.



18:44 · 28/04/2023 from Earth · **75** Views

Quality resources supplied by The Ogden Trust enable pupils to become Electrical Engineers; investigating why circuits may have failed and what needs to be changed for a successful outcome.

Staff and Community volunteers working collaboratively to ensure resources match needs of the growing area and the Science curriculum. Contributory factor in outstanding personal development judgement (Ofsted 24) and in achieving Level RHS Garden Award 24



Impact: 100% teachers confident in teaching science with quality, updated resources and sharing their good practice both indoor and outdoor. 100% of staff signed up and using CLEAPSS guidance for H&S and included within Governor monitoring programme.



Using BBC
Microbits pupils
asked How does
the type of surface
affect the surface
temperature?
Comparative and
fair testing
investigation.





Our next steps: Continue to regularly share with staff new resources, websites and exemplars of what good science teaching looks like using sophisticated resources