

Sciences Action plan

Subjects: PE and Science Date: September 2017 Completed by: Science Team

Improvement Priority	Key Actions	Timescale	Lead Member of Staff	Success Criteria	Evaluation
Science					
CPD for new Science lead	<ul style="list-style-type: none"> - Course scheduled – leading science in primary school - Contact Fulbridge – lead science school in Peterborough – local training - Initial feedback to team, with subsequent whole school training 	Nov 17	EB	<p>Completion of the course – identification of areas for school improvement</p> <p>Providing appropriate feedback through INSET day</p>	<p>Aut 1 Evaluation - Course STEM P/boro/Cambs – Swavesey Fri 20.10 OFSTED led London 22.11</p> <p>No reply from Fullbridge – yet</p> <p>Aut 2 Lead has attended 2 courses. 1 shared ideas for teaching, mostly practical. The other was on leadership, Ofsted requirements and working scientifically. Still no contact from Fulbridge, not going to chase.</p>
Science resources	<ul style="list-style-type: none"> - Science Bug – email staff to check resource reqts and to purchase as required. 	Sept 17	EB	Teaching to be adequately resourced across the school	<p>Aut 1 Evaluation - Resources requested. Orders made and submitted. Co-ordinating planting resources with Cathy.</p> <p>Aut 2 Most people said dip in and out but do still use it. So will continue to use science budget for. Check which resources are used, from looking in books.</p>
Science week	<ul style="list-style-type: none"> - National science week (12-16 March '18) – British Science 	Dec 17 outline plan	EB	School participation through spread of activities	Aut 1 Evaluation -

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	<p>week.org – link to the Science bug topic for the half term</p> <ul style="list-style-type: none"> - Link to aspirations – visitors in to school - Investigate attendance at the NEC exhibition 		ED/	Raise profile of science within the school	<p>Applying for EAL grant £300 – to contribute to the NEC trip. Applied – did not get.</p> <p>NEC trip to be Y5 / Y6 approx 30 of each</p> <p>Aut 2 Bought in mad scientist people to come in during Science week. Will do an assembly to introduce the week and sessions with the classes. 60 children will be going on a trip from year 5 and 6. Remind staff closer to the time and share time tables etc. Guidance to be shared with Teachers around lesson ideas based on outcome of looking at books.</p>
Reading within the science curriculum	<ul style="list-style-type: none"> - Identify Science topics being covered by each year group in each half term - Investigate additional text resources to provide basis for reading 	<p>Oct 17</p> <p>By Dec 17</p>	EB	Contribute to whole school reading initiative	<p>Aut 1 Evaluation - Lists of books to match topics made – meeting with DS to establish budget and in-school needs</p> <p>Aut 2 Evaluation – KS1 have non-fiction Science reading books on the leveled reading book shelves – ask children if they have been using them. Section being put in Library for the books beyond white band. Spoken to Reading lead about ordering Guided reading sets.</p>

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Science assessment practices	<ul style="list-style-type: none"> - During the year, investigate alternative means of assessing children's attainment in science - Discussion during summer term to establish way forward 	By summer 18	EB and team	Improved evaluation of children's attainment levels	<p>Aut 1 Evaluation - For action later in the year</p> <p>Aut 2 Evaluation – Begin looking at assessments towards to end of Spring 2.</p>
-Added Aut 1 Anglian Water liaison – education team	<ul style="list-style-type: none"> - Assembly on Thurs 19th Oct – led by Ang Water education team 	By the end of Oct.	EB	Children will have a hands on Science experience led by an expert.	Aut 2 Evaluation – Had in and the children enjoyed the activities.
To ensure Science teaching matches Ofsted requirements. (Based on course attended in Nov 17).	<ul style="list-style-type: none"> - Look at books. - Look at some Science lessons. - Speak with some children. - Link the findings to outcomes shared on the course. - Review course content. - Share feedback and make any changes to teaching needed. - Check activities and resources used (are just sheets used, where are these from). Are there open ended activities and chances for children to ask questions and interpret own data. 	On going, completed and in place by end of sum 2.	EB	Science teaching will be in line with Ofsted requirements.	
<u>PE</u>					
Progression of skills	<ul style="list-style-type: none"> - Establish a means of recording attainment across the school 	By Dec	SR	Improved evaluation of children's attainment levels	<p>Aut 1 Evaluation - Folders set up – to be shared with external provider. (Total Sports) All teachers briefed by SR with assessment folder – to be used by all staff and Total Sports</p>

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					<p>Aut 2 Evaluation – Been collected in to monitor and share feedback. Going to share with New company on 12.12.17 Discuss how this links with the companies own progression measurements. Evaluation to at the end of the next half term.</p>
<p>PPA coverage</p>	<ul style="list-style-type: none"> - TS to be given defined PE topic for each half term, together with the skills summary from the curriculum for each year group and tell the sport to teach it in - Folder for each class – for TS: class list and key skills to cover in each half term, linked between groups. Review TS implementation - Investigate the legalities of adult numbers with the class for each year group 	<p>Oct 17</p> <p>Oct 17</p> <p>Dec 17 meeting</p> <p>Sept 17</p>	<p>SR</p> <p>SR</p> <p>SR</p>	<p>Quality of externally-sourced PE provision to meet the quality levels required by the school</p> <p>Ensure that the school meets legal requirements for supervision</p>	<p>Aut 1 Evaluation - Folders contain the Total Sports and in-school split of teaching.</p> <p>Review at end of each term - end Dec 2017</p> <p>No paperwork identifying the teaching / coaching qualifications has been received.</p> <p>Aut 2 Evaluation – Company changing to Premier Sports in January. Contracted until July – To be evaluated at each meeting to ensure we want to renew in Sep. Meeting with new company in place to discuss expectations. Contracts set up.</p>
<p>Management of resources</p>	<ul style="list-style-type: none"> - Look into the provision of an existing staff member to maintain the storage facilities for resources (Kelly/Louise) 	<p>Sept 17</p> <p>Sept 17</p>	<p>VG/JA</p> <p>SR</p>	<p>All PE/Games resources to be stored appropriately and accessible as required for children’s learning</p>	<p>Aut 1 Evaluation - Currently being managed by playleaders and SR</p> <p>Aut 2 Evaluation –</p>

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	<ul style="list-style-type: none"> - TS to be given the rules for access of children to the equipment 				<p>List of things that need ordering, going to check budget and get whats is needed.</p> <p>Discuss with Premier sports what they need.</p> <p>Premier Sports have agreed to keep everything tidy and organized.</p>
Management of Swimming	<ul style="list-style-type: none"> - Build a better relationship with Stanground – ensure they are aware of all children’s needs. - Check coaches etc are organized. - Ensure Year groups are aware they are going, know dates and have letters etc ready to go out on time. - Ensure re-booked for next year, evaluating the venue. 	On going	SR	<p>There will be good relationships with the swimming pool.</p> <p>Swimming will be well organized and managed.</p>	
To ensure the new PE company are suitable	<ul style="list-style-type: none"> - Meet with the staff member on a regular basis. - Evaluate at meeting how they are getting on. - Monitor PE sessions on a regular basis to ensure expectations are met. - Share their resources with staff and evaluate their effectiveness and if we will use their plans etc or provide our own. 	On going.	SR	Staff will decide if the company are teaching effective PE session to children.	