

# SUBJECT ACTION PLAN FOR SCIENCE 2017-18

Review of Action Plan Spring 2018

Staff Leader	Jenny Roger	Governor	
Summary of findings/ rational for action plan:	<ul style="list-style-type: none"> <li>• Subject leader been in role for 1 year</li> <li>• Recently updated resources from links with Phizz Lab (Shrubland Street School)</li> <li>• Good links with local outstanding school for Science</li> <li>• Science room established last year</li> <li>• Science lessons taking place in all year groups</li> <li>• SCIENCE Week established in 2016-17</li> </ul>		Evidence taken from: <ul style="list-style-type: none"> <li>• Liaison during whole school meeting 1.9.16</li> <li>• Informal book trawl 2.7.16</li> <li>• Formal cluster moderation July 2017</li> <li>• Feedback from Headteacher observations</li> <li>• Discussions with staff</li> </ul>

Key priority	Key Actions required	Target Date	Success Criteria	Monitoring Activity Required against SC (incl person responsible)
To ensure coverage of the Science Curriculum, including Working Scientifically Objectives throughout the school.	To ensure staff have knowledge of the requirements and suitable resources to meet them.	Long term planning completed Aut 1 Evidence of objectives being met by Spring 1 Full coverage of objectives by Summer 2	TAPs resources used by staff to help planning Children will be used to <ul style="list-style-type: none"> <li>• Making a prediction</li> <li>• Planning a fair test</li> <li>• Recording results</li> <li>• Drawing conclusions</li> </ul> Children's books show evidence of Working	Book trawl showing more evidence of WS objectives in books. Pupil led monitoring sheets in maths books showing progress JR to conduct in week end of Spring term

			Scientifically	
<p><u>Progress towards target March 2018</u></p> <p><u>Training day 1/9/17 - JR</u> Shared with staff resources to help them to plan their Science Curriculum to ensure all Science Objectives can be met over the year. This included TAPS resources to help meet Working Scientifically targets, copy of Curriculum and Working Scientifically objectives for each year group and a copy of OGDEN trust Working Scientifically monitoring sheets to be stuck into each child's book. Staff had time to plan curriculum with access to all science resources available to help them plan.</p> <p>Book trawl - Feb 2018 - allowed an opportunity to see the impact of the planning and support on children's learning.</p> <p>Impact -</p> <ul style="list-style-type: none"> <li>• All Year groups submitted plans showing where all Science NC objectives will be covered (linked to topic areas) throughout the year</li> <li>• All Year groups are now monitoring children's progress against Working Scientifically Objectives shown by book trawl (02/08)</li> <li>• Most Year Groups are providing children with opportunities to meet their Science Objectives (book trawl 02/08)</li> <li>• Year Groups have been given feedback on outstanding Objectives and offered support to help them with ideas to meet them.</li> <li>• EYFS - Now have an active Science Area which is changed and updated weekly. Children are enthused and engaged (seen in Pupil voice interviews 07/11/17) and informal observations and feedback.</li> <li>• Year 1 - Now have a separate Science book allowing easier monitoring of their work towards science objectives.</li> </ul>				
Continue to develop use of a science base	<p>More suitable seating - stools if possible x 30</p> <p>Access in room to working ICT for research purposes</p> <p>Develop a science book resource centre for children to use to research and for staff to take topic books to classrooms if needed.</p> <p>All staff to be using the base on a regular basis and timetable showing use.</p>	By end of Spring term	<ul style="list-style-type: none"> <li>• Working scientifically display boards</li> <li>• Timetabled access to the room established</li> <li>• Ensuring access to IWB and whiteboard</li> <li>• More suitable seating purchased</li> <li>• Talk to DE/Chris about getting computers working</li> </ul>	<p>JR to establish timetable for science room.</p> <p>DH to order stools</p> <p>CTs to gather evidence for working scientifically skills board</p>
<p><u>Progress towards target March 2018</u></p> <p>There are now 3 fully working computers in the area for children to access during learning. The display boards have been updated to include</p>				

principals of Science and Working Scientifically examples. The interactive Whiteboard and projector are in fully working order. The seating has been investigated and is an ongoing possibility. JR has had discussion with Governors, Head and Deputy head regarding seating. A timetable where teachers are able to book time in the Science Room has been set up.

Impact

- Children are aware of the presence of a Science Room (pupil voice 7/11/18)
- Most children enjoy the opportunity to go there and take part in a practical experiment (pupil voice 7/11/18)
- Most children have had the opportunity to go there and use the microscopes or other practical equipment (pupil voice 7/11/18)
- The room has suitable displays and photographs of children Working Scientifically (Photographs taken during Science Week)

Continue to raise the profile of Science across the school, including EYFS	<p>Science week March 2018 date TBC - plan external visitors and events.</p> <p>Start a KS1 lunchtime Science club</p> <p>Super science awards introduced.</p> <p>Apply for a place on the next round of Science PSQM</p>	Ongoing over course of year	<ul style="list-style-type: none"> <li>• Science week to include all year groups, including EYFS</li> <li>• Great investigating rewarded with Super Science certificates awarded by JR.</li> <li>• Begin PSQM with support from mentor</li> </ul>	<p>Science week activities to be booked in advance if using outside agencies by JR</p> <p>Book trawl at end of Autumn term will show greater coverage and w/s skills.</p> <p>PSQM will be started</p>
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Progress towards target March 2018

Science week 2018 - all children were aware and engaged by activities during the week. They all had the opportunity to enter the Ogden Trust Science competition with 31 entries across the school from EYFS to Year 5. All children took part in practical investigations and used the Science Room in that week. All children saw a Science Assembly and had an opportunity to look at the Science Projects prepared by the children. Science displays in the hall and Science Rooms were updated and children who won the Science competition were recognised in assembly, newsletter, website and social media.

PSQM - JR has begun Science PSQM award - Level tbc. This has involved meeting with other schools, reviewing current science provision and gathering evidence to prove the coverage and quality of science provision across the school.

Impact -

- Profile in the wider school community - Science has featured in the school newsletter and website throughout the year with features and article about forest school, Charlie and the Chocolate factory Science and collaborations between classes.
- Profile within the school - all children have had an experience (through assemblies) to become engaged and inspired by the work of scientists.

