

**St. Bernadette's Catholic Primary School**  
**School Improvement Plan 2018 - 2019**

**Area for development:** SIP Priority 1 – Developing the teaching of Science across School

**Rationale:** Since 2014, the new science curriculum has been implemented into school. Subject leads have identified areas where the subject needs to be developed further to develop staff confidence and expertise in teaching and assessing science, providing a breadth of experiences in science and creating an enthusiasm and love for science.

Points for Action	Provision	Lead Person	Outcome with timescale	Cost	Evaluation
1.1 Moderate current practise and revise the whole school curriculum map for science.	Subject leads to create a whole school curriculum map for science, identifying any overlaps in topics. This will be used by staff to inform the planning.  Staff will be given training on 'Science Bug' and given time to incorporate in to the planning.	CB and CC	To ensure that overlaps and repetition have been identified and that staff are aware of the curriculum coverage for each year band. Science planning reviewed and developed.  Curriculum map ready to share with staff on Monday 1 <sup>st</sup> October.  Science Bug Training – Monday 1 <sup>st</sup> October	N/A	
1.2 Moderation of pupils' science work across the school.	Staff will be given time to moderate science work, within their year band and also across the school, each term.	CB and CC  All staff	Staff are more confident with year band expectations and identify any gaps. Staff will also be confident in their teacher assessment.  <b>SM- Wednesday 16<sup>th</sup> January</b> <b>SM- Wednesday 3<sup>rd</sup> April</b>	N/A	
1.3 To develop staff confidence when teaching investigations in science and ensure that working scientifically is included in the planning.	On the science in set day, subject leads will deliver training on Discovery Dog, Problem Pup and Post-It note investigation in key stages.	CB and CC  All staff	Science investigations will be taught within each topic and will be planned using the appropriate framework (Discovery Dog, Problem Pup and Post-It note investigation).  Science inset day – Monday 1 <sup>st</sup> October	N/A	
Review					

**St. Bernadette's Catholic Primary School  
School Improvement Plan**

**Area for development:** SIP Priority 1 – Developing the teaching of Science across School

**Rationale:** Since 2014, the new science curriculum has been implemented into school. Subject leads have identified areas where the subject needs to be developed further to develop staff confidence and expertise in teaching and assessing science, providing a breadth of experiences in science and creating an enthusiasm and love for science.

Points for Action	Provision	Lead Person	Outcome with timescale	Cost	Evaluation
1.4 Support to be provided to staff on the teaching of science.	Subject leads to deliver lessons and team teach across the whole school to share best practise.  Independent provider to deliver training on the physics elements of the curriculum to develop staff knowledge.	CB and CC  Independent provider	Staff are more aware of best practise in science teaching and therefore are more confident when delivering science lessons. Children are receiving a high quality science curriculum.  On-going throughout 2018-2019  Physics training - Monday 1 <sup>st</sup> October	N/A  TBC	
1.5 To evaluate the current assessment system that is in place for science.	Subject leads to identify more accurate assessment tools that could be used.	CB and CC	Staff are able to accurately assess pupils' progress and attainment in science.	TBC	
1.6 To use an exploratory lesson at the beginning of each science topic to ask questions and assess what pupils know and understand in order to identify gaps or misunderstandings.	Staff to ensure that each topic begins with an exploratory lesson and this will be monitored during planning scrutiny.	All staff  CB and CC	Staff are aware of what pupils know and understand and are able to identify gaps or misunderstandings. This will then inform their planning.  On-going throughout 2018-2019	N/A	
Review					

**St. Bernadette's Catholic Primary School  
School Improvement Plan**

**Area for development:** SIP Priority 1 – Developing the teaching of Science across School

**Rationale:** Since 2014, the new science curriculum has been implemented into school. Subject leads have identified areas where the subject needs to be developed further to develop staff confidence and expertise in teaching and assessing science, providing a breadth of experiences in science and creating an enthusiasm and love for science.

Points for Action	Provision	Lead Person	Outcome with timescale	Cost	Evaluation
1.7 To develop a breadth of ways to record throughout the science curriculum.	Ideas and examples to be shared with staff in a staff meeting and when subject leads modelling lessons and sharing best practise in the classroom.	CB and CC  All staff	Children are showing their understanding and recording evidence in a wider variety of ways.  Session on Monday 1 <sup>st</sup> October SM- Wednesday 16 <sup>th</sup> January SM- Wednesday 3 <sup>rd</sup> April	N/A	
Review					