

Subject Specific Action Plan 2019-2020		
Subject: Science	Co-ordinator(s): E. Ojelade	
Priority One: Monitoring and Assessment	Action(s):	Success Criteria:
<p>Objective: To make effective use of assessment results and procedures to ensure a greater percentage of pupils will reach age expected attainment in science at the end of Key Stage 1 and Key Stage 2</p> <ul style="list-style-type: none"> To ensure all staff are confident making accurate judgements and are able to support the progression of children's learning. To moderate examples of assessments being made within each key stage. To develop an assessment model in the form of a 'baseline quiz' to be completed at the beginning and end of a topic to measure progress in children's knowledge. To analyse the progress made by all children at the end of each term. 	<ul style="list-style-type: none"> EO to distribute ASE PLAN example work documents to all staff to ensure consistency of expectations and judgements of expected standard. Staff meeting time to share examples of work and judgements. EO to analyse data termly and establish areas for development. Share with staff. 	<ul style="list-style-type: none"> Staff are confident understanding what 'at expected' looks like for their key stage and for each topic. Staff agree on criteria for assessing science at expected standard and how to move on those working below expected standard. EO to share examples of baselines. Staff to build his into planning at beginning and end of each topic. EO to identify key themes from the data across the federation and identify next steps.
Priority Two: Quality Provision	Action(s):	Success Criteria:
<p>Objective: To ensure quality science provision across the federation that meets the needs of the children and curriculum expectations.</p> <ul style="list-style-type: none"> To develop the current science curriculum to support progression centred around 'Big Questions'. To embed understanding and use of scientific vocabulary. To develop the teaching of scientific enquiry and investigative skills. 	<ul style="list-style-type: none"> EO to develop curriculum map centred around 'Big Questions'. Share with staff. Revisit Science BIF in summer term centred on vocabulary and scientific literacy. Staff meeting time to develop understanding of working scientifically objectives and the enquiry cycle. Develop use of investigation grids. EO complete drop in of 'investigative' session focusing on aspect of enquiry cycle. 	<ul style="list-style-type: none"> EO to have developed curriculum map in conjunction with staff ready for Sept 2020. Scientific vocabulary to be shared in knowledge organisers and on working walls. Evidence in books of staff planning and teaching investigative session at least once a half term. Staff using investigation grids. Use of pupil voice to attain impact of provision on children's learning.
Priority 3: Resources		
<p>Objective: To ensure staff and children have access to appropriate resources to enable quality provision to be delivered effectively.</p> <ul style="list-style-type: none"> EO to attend Ogden Trust training and ensure staff are aware of resources given. To ensure staff are aware of resources available and are confident in using them effectively. 	<ul style="list-style-type: none"> EO to disseminate notes on training. EO to begin to develop topic boxes for chemistry and biology topics. Determine any gaps across the federation. EO to research and compile list of books linked 	<ul style="list-style-type: none"> All resources are easily accessible and managed by staff. Evidence of resources used during science sessions. Evidence of pupils and staff using online resources. Pupil voice indicates pupils are aware of resources

<ul style="list-style-type: none"> To develop bank of fiction and non-fiction books linked to science topics. 	<p>to science themes and disseminate to staff. Identify funding to purchase books.</p>	<p>available to them.</p> <ul style="list-style-type: none"> Staff making links to science books during science sessions or through story time. (BIF)
Priority 4: Wider- Engagement		
<p>Objective: To raise the profile of science within the school community</p> <ul style="list-style-type: none"> To develop the prominence of science in the school environment across the federation. To develop opportunities for Stem both within lessons and through extra-curricular activities To develop the presence of science on the school website 	<ul style="list-style-type: none"> ➤ EO to develop use of science working wall and share good practice. Continued use of Longitudinal study. Share with Brisley. ➤ Rudham to trial 'Science Cafes' with the parents. ➤ EO to investigate opportunities for workshops, school trips and visitors. ➤ EO to book planetarium in conjunction with the Ogden Trust partnership. ➤ EO to develop page to include information on science curriculum, current topics and photos. 	<ul style="list-style-type: none"> Evidence of current scientific topic/ longitudinal study in each classroom across the federation. Chd to have taken part in a variety of wider curriculum science activities, including as part of the Ogden Trust partnership and Science Week. Evidence of science curriculum on the website.
Outcomes / Review (to be completed at the end of the year)		

Priority 1

To make effective use of assessment results and procedures to ensure a greater percentage of pupils will reach age expected attainment in science at the end of Key Stage 1 and Key Stage 2

Priority 2

To ensure quality science provision across the federation that meets the needs of the children and curriculum expectations.

Priority 3

To ensure staff and children have access to appropriate resources to enable quality provision to be delivered effectively.

Priority 4

To raise the profile of Science within the school community