

Subject Specific Action Plan 2021-2022		
Subject: Science	Co-ordinator(s): D. Skitmore/K. Kemp	
Priority One: Monitoring and Assessment (School Improvement Priority 3)	Action(s):	Success Criteria:
<p>Objective: To develop meaningful and manageable assessment of the wider curriculum.</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"> Staff moderation meeting time to share examples of work and judgements. Photocopy a bank of children's work. DS/KK to analyse data termly and establish areas for development. Share with staff. DS/KK to look into resources that can be used for quizzes so staff are not having to invent own. Monitor Science formative assessment (clear LOs and success criteria shared, self-evaluation in response to marking, effective questioning) and summative assessment (quizzes, topic reviews before and after, low stakes tests, retrieval practice). 	<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. DS/KK to identify key themes from the data across the federation and identify next steps A clear, effective system is in place to ensure high quality assessment of Science which will inform teachers of pupil progress during a unit of work. DS/KK will have a good understanding of the progression in Science. Teachers will be well informed regarding pupils' progress during the unit of work
Priority Two: Quality Provision	Action(s):	Success Criteria:
<p>Objective: To develop its established curriculum to provide consistent challenge and increase depth of knowledge in Science that match what is already established in the core subjects.</p> <ul style="list-style-type: none"> To develop the current science curriculum to support progression centred around 'Big Questions'. To develop the teaching of scientific enquiry and investigative skills. To develop an assessment framework. 	<ul style="list-style-type: none"> DS/KK to develop curriculum map centred around 'Big Questions' in Curriculum meeting in October. Share with staff. Introduce and trial investigation grids for KS1 and KS2. DS/KK complete drop in of 'investigative' session focusing on aspect of enquiry cycle. 	<ul style="list-style-type: none"> DS/KK to have developed curriculum map for Oct 2021. Evidence in books of staff planning and teaching investigative sessions at least once a half term. Staff using investigation grids. Use ones trialled across federation. Use of pupil voice to attain impact of provision on children's learning.
Priority 3: Resources		
Objective: To ensure staff and children have access to		

<p>appropriate resources to enable quality provision to be delivered effectively.</p> <ul style="list-style-type: none"> ● To ensure staff are aware of resources available and are confident in using them effectively. ● To develop bank of fiction and non-fiction books linked to science topics. 	<ul style="list-style-type: none"> □ DS/KK to complete an inventory of resources for Weasenham. □ DS/KK to continue to develop topic boxes for chemistry and biology topics. Determine any gaps across the federation. 	<ul style="list-style-type: none"> ▪ All resources are easily accessible and managed by staff. Evidence of resources used during science sessions across the federation. ▪ Evidence of pupils and staff using online resources. Pupil voice indicates pupils are aware of resources available to them across federation. ▪ Staff making links to science books during science sessions or through story time.
<p>Priority 4: Wider- Engagement</p>		
<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"> □ D/KKS to develop use of science working wall and share good practice. Continued use of Longitudinal study. Share with Brisley. □ 'Science Cafes' with the parents. □ DS/KK to investigate opportunities for workshops, school trips and visitors. □ DS/KK 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 <u>across the federation</u>. ▪ Chn 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.
<p>Outcomes / Review (to be completed at the end of the year)</p>		
<p>Priority One: Monitoring and Assessment – Priority Two: Quality Provision – Priority 3: Resources – Priority 4: Wider- Engagement-</p>		