

## Science Action Plan 2021 - 2022

Priority Area: Science		Lead: Alberta Seshie	
Objective <b>Intent</b>	<b>Intent</b> Science teaching and learning at Arthur Bugler aims to give all children a strong understanding of the world around them and building on their natural curiosity, as they gain the skills and knowledge to help them think Scientifically. Our children will take part in lessons which encourages them to answer and investigate various scientific questions using the Scientifically Working skills to prove or disprove knowledge gained.		
	<b>Success criteria</b> <b>Intent</b>	<b>Evaluation (November 2021)</b> <b>Impact</b>	<b>RAG</b>
Success Criterion 1	There is a curriculum (Snap Science) in place with agreed progression of skills, knowledge and concepts including end points the curriculum is building towards with clarity about what pupils will be able to know and do at those end points, including those in the next stage of education.	<u>October 2021</u> Monitoring of planning/slides shows that the Snap Science Scheme of work is being followed.	
Success Criterion 2	There is clear evidence of high quality learning and progression as shown in books and planning each term ( <i>lesson visits, book looks and planning scrutiny</i> )	<u>October 2021</u> Book look of the KS1 show quality in the provision on lessons. Planning/slides give clear evidence of high-quality teaching.	
Success Criterion 3	80 % of pupils achieve end of year expectations in science as shown in teacher assessment	Milestones in place Classes will be sampled (6 children each class)	
Success Criterion 4	There is clear evidence of pupils having high quality learning experiences through use of the 'The big question' at the start of every lesson, using correct resources and meeting expectations both in acquiring of knowledge and skills.	<u>October 2021</u> There will be book scrutiny at the end of Autumn 2 to check.	



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Actions (Including CPD) Implementation	Timescale	Resources	Monitoring	RAG
1.1 The use of knowledge organisers help to ensure revision of previous learning and build upon the children's knowledge and skills.	Termly	Curriculum Maestro	<u>October 2021</u> All teachers have access to the progression Map for their topic they use as a tool for the knowing the starting points in their topics.	
1.2 The use of teacher assessments help to inform future planning.	Termly	Curriculum Maestro	<u>October 2021</u> At the end of this half term, all teachers were asked to complete their online assessment for the science topic they have just completed.	
1.3 There is evidence of differentiation for all children in teacher's slides and evidenced in children's books.	Termly	n/a	<u>October 2021</u> Teachers slides clearing shows differentiation and this will be monitored in book this term during book scrutiny.	
1.4 Ensure resources are in place to support key themes. Audit these resources and share with staff.	December 2021	Cost to be determined	<u>October 2021</u> Resources has been audited. There is a wealth of resources available for all topics. A data logging app has been installed on pupil and staff iPad to use doing investigations.	
1.5 Provide training sessions for main content – <i>What is it to be a scientist?</i> (reference school curriculum values)	January 2022	Staff meeting/training day	<u>October 2021</u> This is in the planning stage and when Staff meeting slot is provided, I will be able to conduct such a training.	
1.6	Termly	Group of children	<u>October 2021</u>	



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Children say that they enjoy Science lessons and are able to talk about the subject area.			Pupil voice in KS1 shows that science continues to be the children's favourite subject.	
1.7 Science work is celebrated by adding to class Science Big Book	Twice an academic year	Book for each class	<u>October 2021</u> This will be organised and given to each class.	
1.8 Awards/initiatives/ special weeks for Science have been researched and undertaken as and when necessary.	Spring 2022	£850	<u>October 2021</u> I continue to plan toward national Science Week.	
1.9 Teachers say that they feel confident teaching science and know where to go for support.	Spring 2022	n/a	<u>October 2021</u> I continue to speak to teachers about their needs and support where needed	
1.10 After school clubs are offered to engage children with a scientific interest.	2021-2022 Academic year	To be confirmed	<u>October 2021</u> Science Club has been set up with 16 members. The club is completing activities which will gain the children a Science Crest Award after 8 sessions.	

### Looking forward 2022/23

Objectives carried over from 2021/22	Any priorities that arise throughout the year
<p>Work with other staff across the Trust to share good practice and expertise in relation to Science.</p> <p>Parent workshops are offered</p>	



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Cross curricular links are made across the curriculum and used to further improve the children's knowledge and understanding of their science skills.

Local links have been made with other schools in the trust.

Links to SMSC and British Values are made when teaching Science.

Key dates for Science are shared and celebrated in school.

