

Science Development Plan



St Alban's CofE (Aided) Primary School

Rotherham

Introduction

Subject Leader carried out a deep dive in science here are the key findings:

- Improved standard of English, especially in years 2 and 5, where dictated sentences are being used regularly.
- Evidence of children carrying out practical investigations. Children discussed the investigation process, examples of prediction and fair test.
- Excellent curriculum coverage, further support on curriculum planning needed in some classes.
- Children using scientific vocabulary and have an excellent subject knowledge - this was evident with discussions with the subject leader.
- End of year knowledge documents at the back of books- however- would this be better at the front of the book for children to refer to throughout the year?
- End of unit science assessments working- subject leader to decide where these will be kept?

Ways forward:

- Ensure that staff know the progression for investigations. What are the expectations for example prediction, in EYFS, KS1, Lower KS2 and Upper KS2. Subject leader to provide exact examples so that staff have clarity of message.
- Need to ensure that science is taught by the class teacher.
- The scheme in KS1 does not appear progressive within the animal part. The subject leader is to do further work to establish clear progression.
- To further develop the end of year recall quiz.

Subject knowledge development- investigation progr

RAG:	● Not set	Status:	Not Started
Priority:	High	Responsible:	CW
Team:	Science	Monitor:	AG
		Dates:	01/09/22 - 31/08/23

Description: -

Strategy: -

Actions

TITLE	STATUS	DATES	RESPONSIBLE	PRIORITY
CW meet with KS and develop progression documents	● Not Completed	10/07/23 to 12/09/23	CW	Medium
<i>Discuss investigation progression at DSAT science hubs. Work with curriculum lead- KS and develop whole school progression document for prediction and fair testing.</i>				
Share the documentation and expectations with staf	● Not Completed	10/07/23 to 14/11/23	CW	Medium
<i>20 minute staff meeting time to share documents and expectations with staff.</i>				
Subject leader to update intent documents	● Not Completed	10/07/23 to 24/07/23	CW	Medium
<i>update website and email changes to all staff.</i>				
Subject Leader monitor the impact of changes	● Not Completed	10/07/23 to 24/07/23	CW	Medium
<i>CW and KS interview children and look at books to check for progression for prediction and fair testing, report back to AG and plan the next steps.</i>				

Review KS1 science curriculum intent

RAG:	● Not set	Status:	Not Started
Priority:	High	Responsible:	AG
Team:	Science	Monitor:	AG
		Dates:	01/09/22 - 31/08/23

Description: -

Strategy: -

Actions

TITLE	STATUS	DATES	RESPONSIBLE	PRIORITY
Science lead meet with KS1 Staff	● Not Completed	10/07/23 to 05/09/23	AG	Medium
<i>The current scheme has a topic based structure, incorporating more than one science concept at a time. This does not fit in with our curriculum intent to teach science discretely and progression is difficult to articulate. For this reason KS1 will trial White Rose- using the investigations from Switched on Science. Science Lead to share intentions with year 2 teacher.</i>				
Subject Leader to change Science intent	● Not Completed	10/07/23 to 02/01/24	AG	Medium
<i>Update intent on website and share with KS1 staff.</i>				
Review the changes with KS1 Staff	● Not Completed	10/07/23 to 16/01/24	AG	Medium
<i>Look at books, talk to children and discuss changes and evaluate the impact. Plan the next steps forward.</i>				

Evaluate the impact of science assessments

RAG:	● Not set	Status:	Not Started
Priority:	High	Responsible:	AG
Team:	Science	Monitor:	AG
		Dates:	01/09/22 - 31/08/23

Description: -

Strategy: -

Actions

TITLE	STATUS	DATES	RESPONSIBLE	PRIORITY
Subject leader to share (again) assessment expecta	● Not Completed	10/07/23 to 24/07/23	AG	Medium
<i>Assessments to be glued into science books. All assessments to be taken after a unit. End of year knowledge to be shared with children before the unit starts.</i>				
Monitor the use of assessments	● Not Completed	10/07/23 to 14/11/23	AG	Medium
<i>Subject leader to look at unit assessments and carry out a knowledge check, to see if the children know and remember more.</i>				

To create a science long term plan with EYFS L

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Priority:	High	Responsible:	AG
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Description: -

Strategy: -

Actions

TITLE	STATUS	DATES	RESPONSIBLE	PRIORITY
Science Lead to meet with EYFS Lead	● Not Completed	10/07/23 to 26/09/23	AG	Medium
<i>Identify ELG's that are scientific. Create a long term plan from nursery to end of reception class. What needs to be in provision each term? Why this, why now? so that children can meet the ELG's. Identify vocabulary, characteristics of learning and provision.</i>				