

St Alban and St Stephen Catholic Primary School and Nursery –





Learning and Growing With God By Our Side

Science Expectations	
Summary of Intent	To give all children a strong understanding of the world around them whilst acquiring specific skills and knowledge to help them to think scientifically, to gain an understanding of scientific processes and also an understanding of the uses and implications of Science, today and for the future.
Curriculum time	EYS - Continuous provision and weekly 30 mins/one-hour lessons later in the year KS1 & 2: A session of science per week for at least one hour/ one and a half hours.
Organisation of curriculum	Through the study of science children will cover these broad areas of study involving keys skills and knowledge:
	 Work scientifically Understand plants Understand animals and humans Investigate living things Understand evolution and inheritance Investigate materials Understand movement, forces and magnets Understand the Earth's movement and Space Investigate light and seeing Investigate sound and hearing Understand electrical circuits
	See curriculum map: file:///I:/Staff/Faculty/Science,%20Eco%20and%20Computing/Science,%20ECO%20and% 20Computing%20Faculty%202022%20-%202023/Science%2022- 23/Science%20curriculum%20maps/Science%20curriculum%20map%202022-23.pdf
Key Planning Resources	Rising Stars 'Switched On Science' scheme of work: My Rising Stars - resources including assessment resources:
Including any websites/ usernames	(Boost Education platform) : https://boost-learning.com/
Planning Expectation- Long, medium and short-term	Long Term Plan: Curriculum Map. Short term and Medium Term Plans: As per topic e.g. Light. Planning is kept in folders on the school system in designated folders. Each year group also has a Rising Stars Teachers Guide with lesson plans and suggested resources as well as online content through 'My Rising Stars' (Boost Education platform):
Length or structure of each unit or topic	https://boost-learning.com/ Each year group has at least 6 units to cover by the end of the year. These are roughly the duration of a half term. (See Science curriculum map for details of topics).

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	(where applicable); Method; Results; Conclusion.
	 Data: using graphs, charts, statistics
	Data dom 8 Brapho, charto, ottationes.
	observations, investigations, explanations, summaries.
	Scientific vocabulary should be spelled correctly.
D:((Questioning to develop scientific inquiry skills and curiosity.
	ferentiated learning resources/adaptations should be evident.
	cording work in books to follow presentation policy (handwriting to follow Penpals
	d DUMTUM).
	ch class should have at least one science display per term to reflect the learning of the
isplays, grouping,	ldren and the topics being studied.
	entific vocabulary related to the topic should be part of the display.
	otographs, pupil voice, examples of children's work and learning can also be included the displays.
esson Structure Intr	roduction, questioning, discussion and teaching new facts and concepts.
	restigations, experiments with practical hands on activities which each child can cess.
	portunity to record work in light of what has been discovered or learnt during the sion and to draw conclusions from that learning.
	Idren should be able to work individually, in pairs and in groups, to share different skills and owledge. Give children the opportunity to learn through practical hands on experiences and
acce spac such	ess for each child to resources needed to carry out scientific inquiries. Use of the outdoor ice. Encourage collaborative work and discussion of their work. Links to other curriculum areas the as use of data logger/ QR codes (Computing), data presentation (Maths) and methods of ording e.g. summary (English). Use of questioning to encourage analysis and curiosity.
fferentiation and Scaf	ffold and allow extra time for children that struggle. Provide 1:1 support where necessary;
ljustments Ence	courage collaborative learning so children can learn from their peers; Provide key vocabulary to oport with EAL; Sentence starters; Visuals/ key words; Pre-teaching- 5 minutes introducing key as before lesson with teacher/TA; Scaffolded worksheets.

Assessment	Rising Stars assessments (Boost Education platform) : https://boost-learning.com/
	Either written assessments or use of online assessment tools on Boost on the above link.
	Use of informal questioning in lessons and green prompts for questions in books to assess learning for individual lessons.
	Extended pieces of writing – one per term.