Sir Alexander Fleming Primary School - Computing Long Term Overview – 2024-2025

	Autumn		Spring		Summer	
Events	National coding week 13th – 17th Sept Anti-bullying week 15th – 19th Nov Bebras Computational Thinking Challenge		Safer Internet Day – 7th February Code Club		Lego League Y2-5	
Term	1	2	1	2	1	2
EYFS	Programming Cubetto / algorithims (cooking, brushing teeth, getting dressed)		Computational Thinking Barefoot Activities Winter Warmers / Busy Bodies		Computational Thinking Barefoot Activities Boats Ahoy / Summer Fun	
Year 1	Computing systems and networks Technology around us	Creating Media Digital painting (art link)	Programming A Moving a Robot (Cubetto)	Data and information Grouping Data (maths link)	Creating Media Digital writing (English link)	Programming B Programming animations
Year 2	Computing systems and networks IT around us	Creating Media Digital photography (art link)	Programming A Robot Algorithms	Data and information Pictograms (maths link)	Creating Media Digital music (music link)	Programming B Programming quizzes (science link)
Year 3	Computing systems and networks Connecting computers	Creating Media Stop-frame animation	Programming A Sequencing sounds (music link)	Data and information Branching Databases (science link)	Creating Media Desktop Publishing (Writing link)	Programming B Events and actions in programs (Scratch - supplemented with Rodocodo)
Year 4	Computing systems and networks The internet	Creating Media Audio production (English link – podcast)	Programming A Repetition in shapes – (FMS Logo - Maths link)	Data and information Data logging (Science link)	Creating Media Photo editing (art link)	Programming B Repetition in games (Scratch - supplemented with Rodocodo)
Year 5	Computing systems and networks Systems and searching	Creating Media Video production	Programming A Selection in physical computing (Crumble Kits- Science/DT link)	Data and information Flat-file databases (maths link)	Creating Media Introduction to vector graphics (Maths/art link)	Programming B Selection in quizzes (Scratch - supplemented with Rodocodo)
Year 6	Computing systems and networks Communication and collaboration	Creating Media Webpage creation (science/history link)	Programming A Variables in games (Scratch - supplemented with Rodocodo)	Data and information Introduction to Spreadsheets (Maths link)	Creating Media 3 D Modelling (DT/Maths link)	Programming B Sensing Movement (Microbits - DT link)