

Progression in Computing

	Year 1/2	Year 3/4	Year 5/6
Computer Science	Pupils will: Understand that algorithms are a set of instructions. Create and follow simple sequences of instructions (e.g. Beebots, directional commands). Predict the outcome of simple programs. Begin to debug errors in instructions. Subject vocabulary: algorithm, instructions, sequence, program.	Pupils will: Design, write and debug programs using a sequence of instructions. Use repetition and selection in programs. Work with variables and inputs/outputs (e.g. Scratch). Begin to understand how computer networks and the internet work. Subject vocabulary: algorithm, sequence, debug, loop, variable, input, output, network.	Pupils will: Use sequence, selection, repetition, and variables confidently in programs. Apply logical reasoning to detect and correct errors. Understand how search engines work and how results are ranked. Understand key concepts of computer networks including the internet. Subject vocabulary: algorithm, debug, loop, variable, condition, function, network, internet.
Information Technology	Pupils will: Use technology purposefully to create, store, and retrieve digital content. Create simple digital work (e.g. text, images, sound, video). Use simple tools to edit work (e.g. change font size, crop image). Subject vocabulary: save, open, file, edit, digital.	Pupils will: Use a wider range of software (text, images, video, audio, presentation, data handling). Combine media for a purpose (e.g. presentation with images and audio). Use search engines effectively and evaluate sources. Understand the need to save work in different formats. Subject vocabulary: multimedia, presentation, database, search, hyperlink.	Pupils will: Select, use, and combine software to accomplish goals. Collect, analyse, evaluate, and present data. Create digital content for different audiences and purposes. Understand the importance of design, layout, and audience. Subject vocabulary: spreadsheet, database, analyse, evaluate, digital content.
Digital Literacy	Pupils will: Recognise uses of technology at home and school. Know rules for keeping safe online (e.g. ask an adult before clicking). Understand importance of keeping personal information private. Subject vocabulary: online, safe, private, internet.	Pupils will: Understand how to protect themselves from online risks (cyberbullying, inappropriate content). Respect others online; understand consequences of online behaviour. Begin to understand that information online may not be true. Subject vocabulary: password, cyberbullying, respect, reliable.	Pupils will: Demonstrate responsible online behaviour and understand impact of digital footprint. Recognise and report concerns about online content or contact. Understand issues around copyright, plagiarism, and reliability of information. Subject vocabulary: digital footprint, copyright, plagiarism, secure, reliable.