



Long Term Planning Overview



Computing 2024-25

Caring, Learning, Growing.

Digital Literacy

Computer Science

Information Technology

Digital Literacy - the ability and skill to find, evaluate, utilise, share, and create content using information technologies and the Internet.
 Computer Science- The 'behind the scenes' of how computers work including the opportunity for programming.
 Information Technology- The use of computers for functional purposes, such as collecting and presenting information or using search technology.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Children in the Early Years/Foundation Stages at Northcote Primary School will explore aspects of computing through play-based learning, using technology to enhance and enjoy their taught curriculum. This may include taking photographs or recording sound, playing interactive games, exploring old mechanical toys and exploring simple, programmable toys.					
Y1	Computer Systems & Networks	Typing Skills	Moving a robot	Digital Painting	Programming animations	
Y2	Information technology around us		Digital Photography	Robot Algorithms	Programming quizzes	
Y3	Connecting computers (reduced to 2/3 lessons)	Stop frame animation	Sequencing sounds	Branching databases	Events & Actions in Programming	
Y4	Audio production (use Y2 'Digital Music' to introduce)	Data logging	Repetition in shapes & Repetition in games		Photo editing	
Y5	Systems and searching	Video Production (reduced)	Selection in Physical Computing	Flat-file Databases	Selection in quizzes	
Y6	3D modelling (link to art – 'architecture')	Sensing movement	Variable in games		Webpage creation	

Taken out/Taught elsewhere:

Y1 – Technology around us (revisited Y2) & Digital Writing (cross curricular, particularly english throughout year groups)

Y2 – Pictograms (maths) & digital music (Y4)

Y3 – Events & Actions in Programs (recapped in Y4/5)

Y4 – The internet (covered again in Y5) – **repetition in shapes & games taught as one block**

Y5 – Introduction to Vector graphics (art/designing logo for their fashion brand? Aut1)

Y6 – Communication & Collaboration (Y5), Introduction to Spreadsheets (Y5)