



Year 8		
2 lessons per fortnight		
Topic	Learning Content	Assessment
Expectations and eSafety		
Moving From Scratch (Turtle and Edublocks)	Understand the difference between block-based and text-based programming Use Turtle graphics to draw shapes and patterns Write simple Python code using Edublocks Apply sequencing, repetition, and basic functions Debug and improve code for accuracy and creativity Scratch, Python, Edublocks, Turtle, sequence, repetition, syntax, debugging	
		Turtle Drawing Challenge
Computers and the Binary Number System	Understand why computers use binary Convert between binary and decimal numbers Represent letters and symbols using binary codes Explore how images and colours are stored in binary binary, decimal, data, bits, bytes, ASCII, pixels, representation	
		ASCII code challenges
		Binary conversion tasks
		Digital Quiz
Introduction to HTML (2025-26 only)	Understand what HTML is and how it's used to build web pages Create structured content using headings, paragraphs, links, images, and lists Format text using bold, italic, underline, and apply colour using inline styles Save and open HTML files in a browser, following good coding habits HTML, tags, formatting, colour, links, images, lists, browser, web page	
		Completed Web page
		Digital Quiz
Back to The Future	Learn about the contributions of Turing, Berners-Lee, Boole & Babbage Understand Boolean logic & apply it to simple problems Use logic gates to model decision-making Explore Pigpen code as an example of symbolic communication Develop problem-solving skills through historical context Turing, Berners-Lee, Boole, Babbage, Boolean logic, logic gates, Pigpen code, problem solving, computing history	
		Digital Quiz
Using Media Gaining Support for a Cause Project	Understand how media influences opinions Plan and create a campaign using digital tools Use persuasive techniques and design principles Check source credibility and reliability media, campaign, cause, persuasion, design, audience, communication, awareness	
		Presentation and Peer Review
MakeCode Arcade	Explore what AI is and how it's used. Understand how computers learn from data. Try out simple machine learning models. Learn how bias affects AI decisions. Use the AI lifecycle to solve problems. Discover AI careers and their impact. Artificial Intelligence, Machine Learning, Data, Bias, Model, Training, Prediction, Ethics, AI Lifecycle, Decision Tree, Model Card, Automation, Neural Network, Classification, AI Careers	
		Summative Assessment