

Manchester Hospital School
Long Term Plan

Computing

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
9	Python programming with sequences of data AL, PG	Media animations ET, CM	Data science DD, DI	Representations: going audiovisual AL, PG	Cybersecurity SS, IT	Applying programming with physical computing PG, CS
8	Media: vector and graphics CM, ET	Computing systems PG, CS	Developing for the web CM, PG	Representations: from clay to silicon DI, CS	Mobile app development ET, PG	Introduction to python programming AL, PG
7	Clear messaging in digital media ET, SS	From semaphores to the internet NW, CS	Programming essentials (part 1) AL, PG	Modelling data: Spreadsheets ET, CM	Programming essentials (part 2) AL, PG	Using media: gaining support for a cause IT, ET

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
6	Communication and collaboration NW, ET	Webpage creation CM, DD	Variables in games PG, DD	Introduction to spreadsheets DI, ET	3D modelling ET, CM	Sensing movement PG, CS
5	Systems and searching NW, ET	Video production CM, DD	Selection in physical computing PG, CS	Flat file databases DI, ET	Vector graphics ET, CM	Selection in quizzes AL, PG
4	The internet NW, SS	Audio production ET, CM	Repetition in shapes AL, PG	Data logging CS, DI	Photo editing ET, CM	Repetition in games PG, DD

3	Connecting computers NW, CS	Stop-frame animation ET, CM	Sequencing sounds PG, DD	Branching databases DI, ET	Desktop publishing ET, CM	Events and actions in programs PG, DD
2	Information technology around us NW, CS	Digital photography ET, CM	Robot algorithms AL, PG	Pictograms DI, ET	Digital music CM, DD	Programming quizzes PG, DD
1	Technology around us CS, ET	Digital painting ET, CM	Moving a robot AL, PG	Grouping data DI, AL	Digital writing ET, CM	Programming animations PG, DD

Strand key

ET - Effective use of technology

PG - Programming

CS - Computing systems

DD - Design and development

CM - Creating media

DI - Data and information

AL - Algorithms

SS - Safety and security

IT - Impact of technology

NW - Networks