Magdalen Court School Longterm Overview: Computing

Computing	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
School Values	Respect & Resilience		Health & Happiness		Kindness & Independence	
Termly and Assembly Themes	Respect	Resilience	Health	Happiness	Kindness	Independence
KS2A	Computing systems and networks – communication and collaboration	Creating media – web page creation	Programming A – variables in games	Data and Information – Introduction to spreadsheets	Creating media – 3D modelling	Programming B – sensing movement
Year 7	Clear Messaging in Digital Media	Networks from Semaphores to the Internet	Programming Essentials in Scratch – Part I	Modelling Data using Spreadsheets	Programming Essentials in Scratch – part II	Using Media – Gaining support for a cause
Year 8	Layers of Computing Systems	Media – Vector Graphics	Developing for the Web	Representations – from clay to silicon	Mobile App Development	Introduction to Python – Programming
Year 9	Representations – going audio-visual	Python Programming with Sequences of Data	Media- Animations	Data science	Cybersecurity	Physical Computing
Year 10	Online Safety	IT and the World of Work	Algorithms 1	Algorithms 2	Physical Computing - Building a Robot Buggy	Complete outstanding work
Year 11	Media		Spreadsheets		IT Project Management	