

Computing	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 5	Online Safety Report it button, SMART scheme	Spreadsheets Basic skills such as adding borders, changing cells to currency and basic formulas	Scratch Identify basic features of scratch, Be able to add sprites and change stage backdrop	Video Creation Research into existing adverts, creation of sources table, digital media demonstration	Computer systems Basic knowledge of Input, output and storage devices	Kodu gaming lab Create background, Basic movements programmed
Year 6	E-Safety Passwords, Etiquette, Fake news	Spreadsheets Data collection, Using data to create pie and bar charts	Scratch Include costume changes, Include loops	Microsoft project Using powerpoint, word and excel to plan a tip in the UK.	Computer systems Basic knowledge of LAN and WAN networks Components needed to create a working network	Kodu gaming lab Add hills to background, add water to background, add second controls and character
Year 7	E-Safety Cyberbullying, Social Media influencers, Dangers of Tik Tok	Binary Converting Binary to denary and back again, Use of ASCII table to create messages	Computer systems Research into historical computer scientists, Discussion of Peripherals, Demonstration of computer components	Microbit Basic coding using a microbit, creating code using block editor and touch develop editor, Creation of loops and ability to problem solve	Websites Design, Implement, test and evaluate a website	Kodu gaming lab Add scoring system, add paths and program character to follow path
Year 8	E-Safety Inappropriate use of devices, Hate crimes, Online presence	Advanced Binary Recap of Binary, Binary addition introduced, Logic gates and hexadecimal	Python Basic text-based programming language skills, discussion of variables and loops and how to detect syntax errors	Computer systems Networks, How the internet works, discussions on packets, routers and domain name servers	Business Use of Microsoft office as well as the google equivalent to create mind maps, hierarchy charts and flowcharts	Transition work Work in preparation for moving on next year Kodu gaming lab Include timer that counts down, Use paths to create bridges