

Computing overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Key – area of study Concepts	Computer Science Data, System		Information Technology Innovation, Communication		Digital Literacy Responsibility, Consequences	
Nursery	Writing on a screen, using a touch screen. Understanding uses of technology.					
Reception	Navigating devices in the reception classrooms – Interactive, smartboard, iPads, beebots, cameras, electronic toys.		Type using keyboard or touch screen		Logging on to a chrome book Navigating Mini Mash	
Year 1	E safety & Logging in 1.1 Include CEOP lessons <u>Bill Gates - Windows</u>	Lego builders PM 1.4 <u>Steve Shirley - Women in tech Xansa</u>	Maze runner PM 1.5	Typing PM 3.4	Coding 1.7 <i>-basic algorithms -collision detection</i> <u>Steve Jobs -Apple</u>	Apply coding 1.7
Year 2	E safety PM 2.2 & E safety PM 2.5 Include CEOP lessons <u>Tim Berners-Lee - WWW</u>	Coding PM 2.1 <u>CRASH COURSE</u> <i>-repeat,-timer, -debugging</i> <u>ADA LOVELACE - Algorithms</u>	Coding PM 2.8 <u>normal course</u> Questioning PM 2.4	Questioning PM 2.4	Presenting PM 2.8 Apply presenting skills <u>FRANCES ELIZABETH “BETTY” HOLBERTON - multi purpose computer</u>	
Year 3	Coding PM 3.1 <i>-if command, variables - timer and repeat</i> <u>RUTH LEACH AMONETTE - IBM vice pres</u>	Coding PM 3.1 application	E safety PM 3.2 <u>Richard Stallman - free software</u> Include CEOP lessons	Email PM 3.5	Presenting with google slides PM 3.9 <u>Martha Lane Fox - lastminute.com</u>	Word processing with google docs (PM unit 5.8)
Year 4	Coding PM 4.1 <u>CRASH COURSE</u> <i>-if/else command -repeat until command -flowcharts to help design</i> <u>REAR ADMIRAL DR GRACE MURRAY HOPPER - computers in business</u>	Apply coding PM 4.1 <u>normal course</u> Simulations (PM unit 3)	E safety PM 4.2 Include CEOP lessons <u>James Gosling -JAVE</u>	Hardware investigation PM 4.8	<u>Logo PM 4.5</u> Animation PM 4.6	Spreadsheets crash course PM 4.1(4.3) <u>Ted Codd - Relational databases</u>
Year 5	E safety PM 5.2 Include CEOP lessons <u>Mark Zuckerberg - Facebook</u>	Coding PM 5.1 <i>-create a program that simulates a physical system -string and text variables</i>	Apply coding PM 5.1 <u>YVONNE BRILL- Rocket scientist</u>	Databases PM 5.4	MR P D.A.R.E.S unit <u>Arthur C Clark - Predicting tech in film</u>	
Year 6	Coding PM 6.1 <i>-use functions and tabs to improve the quality of code - code user interactivity</i> <u>Alan Turing - Enigma code</u>	Apply coding PM 6.1 <u>Elizebeth Smith Friedman - Bletchley Park</u>	E safety 6.2 Include CEOP lessons	Spreadsheets with google sheets PM 6.9	Networks PM 6.6 <u>Linus Torvalds-Linux</u>	Blogging PM 6.4

***Most units will include aspects of all strands