

COMPUTING CURRICULUM OVERVIEW

	Autumn	Spring	Summer
Year 3	The Copthorne Detectives Digital Literacy – Online safety Computing Pioneers – Bill Gates (link to Microsoft Word lessons) Information Technology – Microsoft Word Information Technology – saving and retrieving files	Rock ‘n’ Roll Romans Digital Literacy – Online safety & effective searching Computer Science – Coding (Discovery Education Level 1-2)	Walk like an Egyptian Digital Literacy – Online safety Computer Science/DT – Lego Information Technology – Photo editing suites
Year 4	Upstairs, downstairs Digital Literacy – Online safety Information Technology – PowerPoint (applying Word skills, animations and transitions) Computer Science – Coding (Discovery Education Level 3-4) Computing Pioneers – Ada Lovelace (world’s first computer programmer)	Explorers, Raiders and Traders Digital Literacy – Online safety Computer Science/DT – Lego Computer Science – Search engines (how they are ranked & selected), URLs)	Mysterious Mayans Digital Literacy – Online safety Information Technology – Databases
Year 5	Henry VIII – Hero or Villain? Digital Literacy – Online safety Information Technology – PowerPoint (embedding hyperlinks, videos and audio) Information Technology – Stop motion video editing	Who Let the Gods Out? Digital Literacy – Online safety Information Technology – Email Computer Science – The impact of technology (advantages and disadvantages) Computer Science – Coding (Discovery Education Level 5)	Journey into the Unknown Digital Literacy – Online safety Computer Science/DT – Lego Information Technology – Blogging Computing Pioneers – Katherine Johnson (advancing human space exploration)

Year 6	We'll Meet Again	Exploring the Extreme	Back to the Future
	Digital Literacy – Online safety Computer Science – Coding (Discovery Education Level 6 and HTML) Information Technology – Websites Computing Pioneers – Alan Turing (WW2 codebreaker)	Digital Literacy – Online safety Computer Science/DT – Lego Information Technology – Green screen and Movie Maker	Digital Literacy – Online safety Information Technology – Spreadsheets (Excel – creating graphs from information) Computer Science – Future technology

Additional:

- Year 5/6 will learn ‘What is grooming?’ as part of online safety every two years through the Breck Foundation and follow-up activities.
- Photography and editing taught within art in Years 3, 4 and 6
- Microsoft Word skills will be taught discreetly in Year 3 but practised in Year 4, 5 and 6 in English when publishing work
- Most computing taught discretely but some learning is cross-curricular

Computing Pioneers (to be taught as one discrete lesson):

Y3 Bill Gates (Windows & Microsoft)

Y4 Ada Lovelace (British - world’s first computer programmer)

Y5 Katherine Johnson (advanced space exploration)

Y6 Alan Turing (British - WW2 codebreaker)