KS1

KS1 National Curriculum	Connected Curriculum Units	
	Year 1	Year 2
Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions.	Y1: Computer Science Y1: Physical Computing	Y2: Computer Science Y2: Physical Computing
Create and debug simple programs.	Y1: Computer Science Y1: Physical Computing	Y2: Computer Science Y2: Physical Computing
Use logical reasoning to predict the behaviour of simple programs.	Y1: Computer Science Y1: Physical Computing	Y2: Computer Science Y2: Physical Computing
Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	Y1: Audio Visual Y1: Text and Images Y1: Pictograms Y1: Music Technology	Y2: Digital Books Y2: Digital Art Y2: Data Handling Y2: Digital Photography Y2: Digital Technology Around Us
Recognise common uses of information technology beyond school.	Y1: Audio Visual Y1: Text and Images Y1: Pictograms Y1: Music Technology Y1: Technology All Around Us	Y2: Digital Books Y2: Digital Art Y2: Data Handling Y2: Digital Photography Y2: Digital Technology Around Us

Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	Y1: Text and Images Y1: Technology All Around Us Y1: Digital Literacy lessons	Y2: Digital Photography Y2: Digital Technology Around Us Y2: Digital Literacy lessons

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KS2

KS2 National Curriculum	Connected Curriculum Units			
	Year 3	Year 4	Year 5	Year 6
Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.	Y3: Computer Science Y3: Physical Computing	Y4: Computer Science Y4: Physical Computing	Y5: Computer Science Y5: Physical Computing	Y6: Computer Science Y6: Physical Computing
Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.	Y3: Computer Science Y3: Physical Computing	Y4: Computer Science Y4: Physical Computing	Y5: Computer Science Y5: Physical Computing	Y6: Computer Science Y6: Physical Computing
Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.	Y3: Computer Science Y3: Physical Computing	Y4: Computer Science Y4: Physical Computing	Y5: Computer Science Y5: Physical Computing	Y6: Computer Science Y6: Physical Computing
Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration.	Y3: Computers and the Internet	Y4: Online Images and Photo Editing	Y5: Systems and Searches	Y6: Advanced Internet Use Y6: Website Creation Y6: Collaboration and Communication
Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.	Y3: Text and Graphics Y3: Publishing Y3: Computers and the	Y4: Online Images and Photo Editing	Y5: Podcasting Y5: Systems and Searches	Y6: Advanced Internet Use Y6: Website Creation

	Internet			Y6: Collaboration and Communication
Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	Y3: Text and Graphics Y3: Publishing Y3: Branching Databases Y3: Audio Visual Media Y3: Computers and the Internet	Y4: Advanced Text and Graphics Y4: Animation Y4: Data Logging Y4: Online Images and Photo Editing Y4: Vector Graphics	Y5: Presentations Y5: Databases Y5: Video Editing Y5: Podcasting	Y6: Website Creation Y6: 3D Modelling Y6: Collaboration and Communication Y6: Spreadsheets
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	Y3: Digital Literacy lessons	Y4: Online Images and Photo Editing Y4: Digital Literacy lessons	Y5: Systems and Searches Y5: Digital Literacy lessons	Y6: Advanced Internet Use Y6: Website Creation Y6: Collaboration and Communication Y6: Digital Literacy lessons