

Computing Curriculum Plan – KS1 – 2 Year Cycle

Cycle 1	Digital Literacy (based on Common Sense Media Units*)	Computer Science	Information Technology
Autumn	Media Balance Is Important	Beebots	Basic Skills Logging on, saving, printing, mouse skills etc
Spring	Pause for People	Apps – Beebot Daisy the Dinosaur ALEX (Y2)	Publishing MS Word, MS Publisher, Strip Designer
Summer	Safety in My Online Neighborhood	Scratch Junior	Communication and Presentation MS Powerpoint/Keynote, Book Creator, MS Word, Puppetpals

Cycle 2	Digital Literacy (based on Common Sense Media Units*)	Computer Science	Information Technology
Autumn	Pause & Think Online	Barefoot Computing – unplugged activities	Basic Skills Logging on, saving, printing, mouse skills etc
Spring	How Technology Makes You Feel	Apps - Beebot Daisy the Dinosaur Lightbot (Y2)	Music, Sound and Animation Garageband, Puppetpals, Morpho
Summer	Internet Traffic Light	Beebots	Communication and Presentation Video - iMovie

- * <https://www.commonsense.org/education/digital-citizenship/curriculum>

DL = digital literacy CS= computer science IT – Information Technology

Key Stage 1

Pupils should be taught to:

- understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
- create and debug simple programs
- use logical reasoning to predict the behaviour of simple programs
- use technology purposefully to create, organise, store, manipulate and retrieve digital content
- use technology safely and respectfully, keeping personal information private; know where to go for help and support when they have concerns about material on the internet
- recognise common uses of information technology beyond school.

Computing Curriculum Plan – Y3/4

Cycle 1	Digital Literacy (based on Common Sense Media Units*)	Computer Science	Information Technology
Autumn	Device-Free Moments Your Rings of Responsibility	Rapid Router levels 1-12	Publishing MS Word, MS Publisher, Strip Designer
Spring	That's Private! Password Power-Up	MS Powerpoint – Hyperlinks within presentations	Communication and Presentation MS Powerpoint/Keynote, Book Creator, MS Word
Summer	This Is Me Our Online Tracks	Kodu	Data Handling and Modelling Spreadsheets – MS Excel

Cycle 2	Digital Literacy (based on Common Sense Media Units*)	Computer Science	Information Technology
Autumn	Our Digital Citizenship Pledge Keeping Games Fun and Friendly	Apps – A.L.E.X Pro Cargobot Lightbot	Music and Sound Garageband
Spring	The Power of Words Be A Super Digital Citizen	Scratch – code club	Communication and Presentation Video - iMovie
Summer	Is Seeing Believing? A Creator's Rights and Responsibilities	Hour of Code	Data Handling and Modelling Graphs and Charts (Spreadsheets – MS Excel)

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Key Stage 2

Pupils should be taught to:

- design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
- 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
- use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
- use technology safely, respectfully and responsibly; know a range of ways to report concerns and inappropriate behaviour
- select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

Computing Curriculum Plan – Y5/6

Cycle 1	Digital Literacy (based on Common Sense Media Units*)	Computer Science	Information Technology
Autumn Let's Explore – my World	You won't believe this! Don't Feed the Phish	Microbits (Link to DT)	Publishing MS Word, MS Publisher, Strip Designer
Spring Benin	Beyond Gender Stereotypes Who Are You Online?	Hour of Code	Communication and Presentation MS Powerpoint/Keynote, Book Creator, MS Word
Summer Rainforests	Is It Cyberbullying? Digital Drama Unplugged	Kodu	Data Handling and Modelling Spreadsheets – MS Excel
Cycle 2	Digital Literacy (based on Common Sense Media Units*)	Computer Science	Information Technology
Autumn Let's Explore - Americas	Finding My Media Balance Finding Balance in a Digital World	Rapid Router - Levels 13-18 (Y5) Rapid Router level 51+ (Y6)	Music and Sound Garageband
Spring Egyptians	Digital Friendships Chatting Safely Online	Microbits	Communication and Presentation Video - iMovie
Summer Olympics	Reading News Online Finding Credible News	Apps	Data Handling and Modelling Graphs and Charts (Spreadsheets – MS Excel)

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