

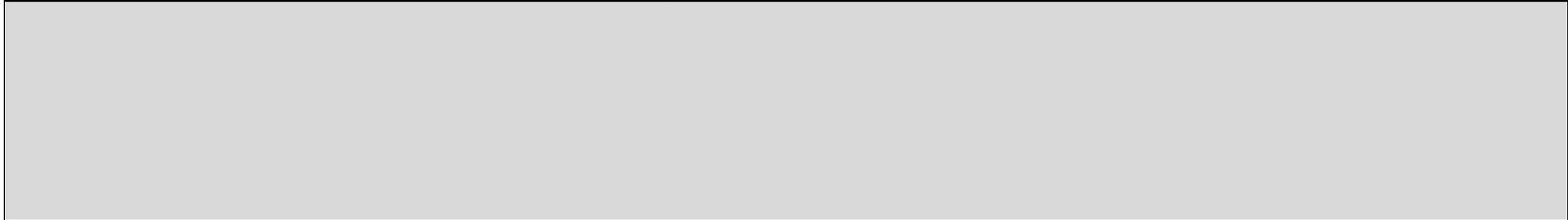


Computing Long Term Planning 2022

Cycle A	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
KS1	<p>Internet awareness: Staying safe online</p> <p>ReachIn planning Y2 Aut 2</p>	<p>Hardware explorers</p> <p>ReachIn Y1 Aut 1</p>	<p>Creating Media Digital Artwork</p> <p>Teach Computing Year 1</p>	<p>Creating Presentations</p> <p>ReachIn Y2 Spr1</p>	<p>Excellent Excel</p> <p>ReachIn Planning Y2 Spr2</p>	<p>Digital Citizens: Staying Safe Online</p> <p>ReachIn Planning Y2 Sum 2</p>
Assessment	<p>Digital Literacy POS 1 Understands why it is important to be considerate and kind online POS 2 Understands simple ways to protect personal and private information online. POS 2 Understands how to communicate online, safely and considerately.</p> <p>Information Technology POS 1 Follow simple instructions to access online resources.</p>	<p>Digital Literacy POS 1 Understands what is meant by digital technology. POS 1 Understands what information should be private and personal. POS 2 Understands simple ways to protect personal and private information online.</p> <p>Information Technology POS 1 Open a word processing document and enter text.</p>	<p>Information Technology POS 2 Understands that a variety of programs exist to create original content. POS 2 Can create, edit, store, organise and retrieve their own content.</p>	<p>Information Technology POS 1 Can sort, collate, edit and store simple electronic data on a digital device. POS 1 Follow simple instructions to access online resources. POS 2 Can create, edit, store, organise and retrieve their own content. POS 3 Search the internet for appropriate images and insert and manipulate them in PowerPoint.</p>	<p>Information Technology POS 1 Can sort, collate, edit and store simple electronic data on a digital device. POS 2 Understands that a variety of programs exist to create original content. POS 2 Can create, edit, store, organise and retrieve their own content.</p>	<p>Digital Literacy POS 1 Understands what information should be private and personal. POS 1 Understands why it is important to be considerate and kind online. POS 2 Understands simple ways to protect personal and private information online. POS 2 Understands how to communicate online, safely and considerately. POS 2 Can report unsafe or inconsiderate online activity.</p>

LKS2	<p>Privacy and security Evolve Y3</p> <p>Communicating Online ReachIn Y3</p>	<p>Branching Databases</p> <p>Teach Computing Y3</p>	<p>Presenting my Ideas</p> <p>ReachIn Y3</p>	<p>Presenting Data</p> <p>ReachIn Y4</p>	<p>Desktop publishing</p> <p>Teach Computing Y3</p>	<p>Animation Adventures ReachIn planning Y4</p>
Assessment	<p>Digital Literacy POS 3 - Understands password security. POS 3</p> <p>Understands the concepts of online identity ... that content can remain online indefinitely. POS 3</p> <p>Understands the principles of considerate ... and reporting unsafe activity online. POS 4</p> <p>Understands the concept of a digital ... potential consequences of online activity. POS 4</p> <p>Recognises unsafe content and inappropriate ... identifies a variety of ways to report it.</p>	<p>Information Technology POS 3</p> <p>Can independently create digital content and collate and present data. POS 4</p> <p>Can independently create digital content, ... the most appropriate software themselves.</p>	<p>Information Technology POS 3</p> <p>Search the internet for appropriate images and insert and manipulate them in PowerPoint. POS 4</p> <p>Can independently create digital content, and collect and present data, selecting the most appropriate software themselves.</p>	<p>Information Technology POS 3</p> <p>Can independently create digital content and collate and present data. POS 4</p> <p>Can independently create digital content, and collect and present data, selecting the most appropriate software themselves.</p>	<p>Information Technology POS 3</p> <p>Can independently create digital content and collate and present data. POS 4</p> <p>Can independently create digital content, ... the most appropriate software themselves.</p>	<p>Information Technology POS 3</p> <p>Can independently create digital content, and collate and present data. POS 4</p> <p>Can independently create digital content, and collect and present data, selecting the most appropriate software themselves.</p>
UKS2	<p>Staying Safe</p> <p>ReachIn planning Y5 Sum 1</p>	<p>3D modelling</p> <p>Teach Computing Y6</p>	<p>Analysing Data</p> <p>ReachIn Y5 Spr 1</p>	<p>Solving Problems Using Data Spreadsheets ReachIn Y5 Spr 2 Teach Computing Y6</p>	<p>Internet searches ReachIn Y6 Sum 2</p>	<p>Internet fairness ReachIn planning Y6 Sum 2</p>

	<p>Digital Literacy POS 5 Understands what is meant by intellectual copyright, piracy, and fair use and distribution.</p> <p>POS 5 Is aware of a variety of support to assist in reporting concerns.</p> <p>POS 6 Understands how to maintain a robust, safe and secure online presence.</p> <p>POS 6 Understands how to legally, safely and fairly use others' content.</p> <p>POS 6 Understands the potential consequences of sharing reportable online content.</p>	<p>Information Technology POS 5 Collect and enter data into a software programme.</p>	<p>Information Technology POS 5 Can collect, organise, present and analyse data for a specific purpose</p> <p>POS 5 Collect and enter data into a software programme.</p> <p>POS 6 Can collect, organise, present, analyse and evaluate data for a specific purpose.</p>	<p>Information Technology POS 5 Can collect, organise, present and analyse data for a specific purpose</p> <p>POS 5 Collect and enter data into a software programme.</p> <p>POS 6 Can collect, organise, present, analyse and evaluate data for a specific purpose.</p>	<p>Information Technology POS 6 Understands the potential consequences of sharing reportable online content.</p>	<p>Information Technology Digital Literacy POS 6 Understands how online content can be misleading or affected by bias.</p>
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Cycle B	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
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KS1	Computing systems and networks: IT around us. Teach Computing Y1	Programming Bee bots Teach Computing Y1PA	Digital writing Teach Computing Y1CM	Programming animations Teach Computing Y1PB	Robot algorithms Teach Computing Y2PA	Programming quizzes Teach Computing Y2PB
	Digital Literacy POS 1 - Understands what is meant by digital technology.	Computing Science POS 1 - Understands that many devices follow commands, and can create and follow a simple set of commands. POS 1 - Understands what an algorithm is and its function. POS 1 - Can predict the outcome of a simple algorithm and take steps to fix one that isn't working.	Information Technology POS 1 - Open a word processing document and enter text. POS 1 - Can sort, collate, edit and store simple electronic data on a digital device. Follow simple instructions to access online resources POS 2 - Can create, edit, store, organise and retrieve their own content.	Computing Science POS 1 - Can predict the outcome of a simple algorithm and take steps to fix one that isn't working. POS 2 - Designs simple programs, identifies errors in algorithms and uses trial and error to fix them.	Computing Science POS 2 - Understands algorithms must be precise, are repeatable and not always executed on digital devices. POS 2 - Designs simple programs, identifies errors in algorithms and uses trial and error to fix them. POS 2 - Can find different solutions.	Computing Science POS 2 - Understands algorithms must be precise, are repeatable and not always executed on digital devices. POS 2 - Designs simple programs, identifies errors in algorithms and uses trial and error to fix them. POS 2 - Can find different solutions.
LKS2	Networks Teach Computing Y3	Sequencing in Music Teach Computing Y3PA	Events and Actions Teach Computing Y3PB	The Internet Teach Computing Y4	Repetition in shapes Teach Computing Y4PA	Repetition in games Teach Computing Y4PB

	<p>Computing Science POS 3 - Understands input and output. Information Technology POS 3- Understands the function of a network and a search engine and can execute simple searches.</p>	<p>Computing Science POS 3 - Understands input and output. POS 3 - Understands some applications of computer science in the world. POS 3 - Can create, debug and describe a simple block language program.</p>	<p>Computing Science POS 3 - Understands input and output. POS 3 - Can create, debug and describe a simple block language program.</p>	<p>Digital Literacy POS 3 - Understands the principles of considerate conduct, safe sharing and reporting unsafe activity online. Information Technology POS 4 - Understands different types of network, services provided by the internet and that searches can be selected, ranked and organised in different ways.</p>	<p>Computing Science POS 4 - Has begun to understand sequencing, repetition and selection. POS 4 - Can create, debug and explain a block language program with some user interaction.</p>	<p>Computing Science POS 3 - Understands some applications of computer science in the world. POS 4 - Has begun to understand sequencing, repetition and selection. POS 4 - Can create, debug and explain a block language program with some user interaction.</p>
UKS2	<p>Selection in quizzes Teach Computing Y5PB</p>	<p>Computing systems and networks Systems and searching Teach Computing Y5</p>	<p>Variables in games Teach Computing Y6PA</p>	<p>Computing Systems and networks Communications and collaboration Teach Computing Y6</p>	<p>Different Languages (Python) ReachIn Y6</p>	<p>Sensing Movement micro:bit Teach Computing Y6</p>
	<p>Computing Science POS 5 - Understands sequencing, selection and repetition, and independently creates block language programs incorporating these features. POS 5 - Explains and debugs programs.</p>	<p>Digital Literacy POS 6 - Understands how online content can be misleading or affected by bias. Information Technology POS 5 - Identifies the reasons for using different</p>	<p>Computing Science POS 5 - Understands a range of specific inputs and outputs and incorporates these in their programs. POS 5 - Explains and debugs programs.</p>	<p>Information Technology POS 6 - Can identify the different protocols that are needed within digital networks.</p>	<p>Computing Science POS 6 - Understands sequencing, selection, repetition, inputs and outputs in a variety of real contexts. POS 6 - Can develop, explain and debug programs, sometimes</p>	<p>Computing Science POS 6 - Understands sequencing, selection, repetition, inputs and outputs in a variety of real contexts. POS 6 - Can develop, explain and debug programs, sometimes using</p>

		<p>digital networks, the factors affecting search results and the quality of the information retrieved.</p> <p>POS 6 - Can critically analyse and evaluate the information retrieved by search results and the factors affecting this.</p>			<p>using a different programming language.</p>	<p>a different programming language.</p>
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