Computing Curriculum Year 4

			or need of		
AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
COMPUTING SYSTEMS	CREATING MEDIA	PROGRAMMING A	DATA AND	CREATING MEDIA	PROGRAMMING B
AND NETWORKS			INFORMATION		
The internet	Audio editing	Repetition in shapes	Data logging	Photo editing	Repetition in games
Recognising the internet	Capturing and editing	Using a text-based	Recognising how and why	Manipulating digital	Using a block-based
as a network of networks	audio to produce a	programming language to	data is collected over	images, and reflecting on	programming language to
including the WWW, and	podcast, ensuring that	explore count- controlled	time, before using data	the impact of changes	explore count controlled
why we should evaluate	copyright is considered.	loops when	loggers to carry out an	and whether	and infinite loops when
online content.		drawing shapes.	investigation.	the required purpose is	creating a game.
				fulfilled.	
NC Objectives covered:	NC Objectives covered:	NC Objectives covered:	NC Objectives covered:	NC Objectives covered:	NC Objectives covered:
understand computer	use search technologies	design, write and debug	use sequence, selection,	use search technologies	design, write and debug
networks including the	effectively, appreciate	programs that accomplish	and repetition in	effectively, appreciate	programs that accomplish
internet; how they can	how results are selected	specific goals,	programs; work with	how results are selected	specific goals,
provide multiple services,	and ranked, and be	including controlling or	variables and various	and ranked, and be	including controlling or
such as the world-wide	discerning in evaluating	simulating physical	forms of input and	discerning in evaluating	simulating physical
web; and the	digital content;	systems; solve problems	output;	digital content;	systems; solve problems
opportunities they offer	select, use and combine a	by decomposing	select, use and combine a	select, use and combine a	by decomposing
for communication and	variety of software	them into smaller parts;	variety of software	variety of software	them into smaller parts;
collaboration;	(including internet	use sequence, selection,	(including internet	(including internet	use sequence, selection,
use search technologies	services) on a range of	and repetition in	services) on a range of	services) on a range of	and repetition in
effectively, appreciate	digital devices to design	programs; work with	digital devices to design	digital devices to design	programs; work with
how results are selected	and create a range of	variables and various	and create a range of	and create a range of	variables and various
and ranked, and be	programs, systems and	forms of input and	programs, systems and	programs, systems and	forms of input and
discerning in evaluating	content that accomplish	output;	content that accomplish	content that accomplish	output;
digital content;	given goals, including	use logical reasoning to	given goals, including	given goals, including	use logical reasoning to
select, use and combine a	collecting,	explain how some simple	collecting,	collecting,	explain how some simple
variety of software	analysing, evaluating and	algorithms work and to	analysing, evaluating and	analysing, evaluating and	algorithms work and to
(including internet	presenting data and	detect and correct errors	presenting data and	presenting data and	detect and correct errors
services) on a range of	information;	in algorithms and	information;	information;	in algorithms and
digital devices to design	use technology safely,	programs;	use technology safely,	use technology safely,	programs;
and create a range of	respectfully and	select, use and combine a	respectfully and	respectfully and	select, use and combine a
programs, systems and	responsibly; recognise	variety of software	responsibly; recognise	responsibly; recognise	variety of software
content that accomplish	acceptable/unacceptable	(including internet	acceptable/unacceptable	acceptable/unacceptable	(including internet
given goals, including	behaviour; identify a	services) on a range of	behaviour; identify a	behaviour; identify a	services) on a range of
collecting,	range of ways to report	digital devices to design	range of ways to report	range of ways to report	digital devices to design

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analysing, evaluating and	concerns about content	and create a range of	concerns about content	concerns about content	and create a range of
presenting data and	and contact.	programs, systems and	and contact.	and contact.	programs, systems and
information;		content that accomplish			content that accomplish
use technology safely,		given goals, including			given goals, including
respectfully and		collecting,			collecting,
responsibly; recognise		analysing, evaluating and			analysing, evaluating and
acceptable/unacceptable		presenting data and			presenting data and
behaviour; identify a		information.			information.
range of ways to report					
concerns about content					
and contact.					