Computing Curriculum Year 5

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		
Sharing information	Video editing	Selection in physical	Flat-file databases	Vector drawing	Selection in quizzes
Identifying and exploring	Planning, capturing, and	Computing	Using a database to order	Creating images in a	Exploring selection in
how information is	editing video to produce	Exploring conditions and	data and create charts to	drawing program by using	programming to design
shared between digital	a short film	selection using a	answer questions.	layers and groups	and code an interactive
systems.		programmable	·	of objects.	quiz.
		microcontroller.			
NC Objectives covered:	NC Objectives covered:	NC Objectives covered:	NC Objectives covered:	NC Objectives covered:	NC Objectives covered:
design, write and debug	use search technologies	design, write and debug	use search technologies	select, use and combine a	design, write and debug
programs that accomplish	effectively, appreciate	programs that accomplish	effectively, appreciate	variety of software	programs that accomplish
specific goals,	how results are selected	specific goals,	how results are selected	(including internet	specific goals,
including controlling or	and ranked, and be	including controlling or	and ranked, and be	services) on a range of	including controlling or
simulating physical	discerning in evaluating	simulating physical	discerning in evaluating	digital devices to design	simulating physical
systems; solve problems	digital content;	systems; solve problems	digital content;	and create a range of	systems; solve problems
by decomposing	select, use and combine a	by decomposing	select, use and combine a	programs, systems and	by decomposing
them into smaller parts;	variety of software	them into smaller parts;	variety of software	content that accomplish	them into smaller parts;
use sequence, selection,	(including internet	use sequence, selection,	(including internet	given goals, including	use sequence, selection,
and repetition in	services) on a range of	and repetition in	services) on a range of	collecting,	and repetition in
programs; work with	digital devices to design	programs; work with	digital devices to design	analysing, evaluating and	programs; work with
variables and various	and create a range of	variables and various	and create a range of	presenting data and	variables and various
forms of input and	programs, systems and	forms of input and	programs, systems and	information.	forms of input and
output;	content that accomplish	output;	content that accomplish		output;
understand computer	given goals, including	use logical reasoning to	given goals, including		use logical reasoning to
networks including the	collecting,	explain how some simple	collecting,		explain how some simple
internet; how they can	analysing, evaluating and	algorithms work and to	analysing, evaluating and		algorithms work and to
provide multiple services,	presenting data and	detect and correct errors	presenting data and		detect and correct errors
such as the world-wide	information;	in algorithms and	information.		in algorithms and
web; and the	use technology safely,	programs;			programs;
opportunities they offer	respectfully and	select, use and combine a			select, use and combine a
for communication and	responsibly; recognise	variety of software			variety of software
collaboration;	acceptable/unacceptable	(including internet			(including internet
select, use and combine a	behaviour; identify a	services) on a range of			services) on a range of
variety of software	range of ways to report	digital devices to design			digital devices to design
(including internet		and create a range of			and create a range of

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