Computing Curriculum Year 6

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		
Internet communication	Webpage creation	Variables in games	Introduction to	3D modelling	Sensing
Recognising how the	Designing and creating	Exploring variables when	Spreadsheets	Planning, developing,	Designing and coding a
WWW can be used to	webpages, giving	designing and coding a	Answering questions by	and evaluating 3D	project that captures
communicate and be	consideration to	game.	using spreadsheets to	computer models of	inputs from a physical
searched to find	copyright, aesthetics, and		organise and calculate	physical objects.	device.
information.	navigation.		data.		
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	select, use and combine a	select, use and combine a	design, write and debug
programs that accomplish	effectively, appreciate	programs that accomplish	variety of software	variety of software	programs that accomplish
specific goals,	how results are selected	specific goals,	(including internet	(including internet	specific goals,
including controlling or	and ranked, and be	including controlling or	services) on a range of	services) on a range of	including controlling or
simulating physical	discerning in evaluating	simulating physical	digital devices to design	digital devices to design	simulating physical
systems; solve problems	digital content;	systems; solve problems	and create a range of	and create a range of	systems; solve problems
by decomposing	select, use and combine a	by decomposing	programs, systems and	programs, systems and	by decomposing
them into smaller parts;	variety of software	them into smaller parts;	content that accomplish	content that accomplish	them into smaller parts;
understand computer	(including internet	use sequence, selection,	given goals, including	given goals, including	use sequence, selection,
networks including the	services) on a range of	and repetition in	collecting,	collecting,	and repetition in
internet; how they can	digital devices to design	programs; work with	analysing, evaluating and	analysing, evaluating and	programs; work with
provide multiple services,	and create a range of	variables and various	presenting data and	presenting data and	variables and various
such as the world-wide	programs, systems and	forms of input and	information.	information;	forms of input and
web; and the	content that accomplish	output;		use technology safely,	output;
opportunities they offer	given goals, including	use logical reasoning to		respectfully and	use logical reasoning to
for communication and	collecting,	explain how some simple		responsibly; recognise	explain how some simple
collaboration;	analysing, evaluating and	algorithms work and to		acceptable/unacceptable	algorithms work and to
use search technologies	presenting data and	detect and correct errors		behaviour; identify a	detect and correct errors
effectively, appreciate	information;	in algorithms and		range of ways to report	in algorithms and
how results are selected	use technology safely,	programs;		concerns about content	programs;
and ranked, and be	respectfully and	select, use and combine a		and contact.	select, use and combine a
discerning in evaluating	responsibly; recognise	variety of software			variety of software
digital content;	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		use technology safely,		
presenting data and		respectfully and		
information.		responsibly; recognise		
		acceptable/unacceptable		
		behaviour; identify a		
		range of ways to report		
		concerns about content		
		and contact.		