

Key Stage 2 National Curriculum Objectives		
Computer Science	Information Technology	Digital Literacy
<i>(How computers and computer systems work and how they are designed and programmed)</i>	<i>(the purposeful use of existing programs to develop products and solutions)</i>	<i>(the skills, knowledge and understanding needed in order to participate fully and safely in an increasingly digital world)</i>
A - design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts		
B - use sequence, selection, and repetition in programs; work with variables and various forms of input and output		
C - use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs		
D - 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		
E - use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content		
F - select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information		
G - use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact		

Long Term Overview: Year 5/6

Cycle							
B	C S	Computer Systems and Networks: (Yr 6) Communication and collaboration ADEF	Creating Media: (Yr 6) Webpage creation EFG	Programming A: (Yr 6) Variables in games ABDFG			Programming B: (Yr 6) Sensing movement ABCF
	I T				Data and Information: (Yr 6) Intro to spreadsheets F	Creating Media: (Yr 5) 3D Modelling EFG	

I would make 1 google sites log-in and let everybody use the same login at once. I have tried and it did seem to work when I logged into google sites on 3 separate tabs, but you might want to check it still works on different laptops if/before you do use it 😊

6.1 Communication and collaboration	✓	✓		Google Slides	Powerpoint
6.2 Webpage creation	✓	✓		Google Sites	
6.3 Variables in games	✓	✓		Scratch	
6.4 Introduction to spreadsheets	✓	✓	●	Google Sheets or Microsoft Excel	
6.5 3D modelling	✓	✓	●	Tinkercad	
6.6 Sensing movement	✓	✓	●	micro:bit and Microsoft MakeCode	

✓ Used for the unit – reflected in screenshots ● Could be used as an alternative