Chapel St Leonards Primary School

National Curriculum Coverage: Computing

	Year A Autumn		Year A Spring		Year A Summer		Year B Autumn		Year B Spring		Year B Summer	
Key Stage 1												
Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions	√		√				√					
Write and test simple programs	√		√				√					
Use logical reasoning to predict the behaviour of simple programs	✓		√				✓					
Use technology purposefully to create, organise, store, manipulate and retrieve digital content	√		✓		√		√		✓		√	
Recognise common uses of information technology beyond school	√		✓		√				✓		√	
Use technology safely and respectfully online, keeping personal information private; identify where to go for help and support when they have concerns about content or contact	√											
Key Stage 2	Y3/4 A Autumn	Y3/4 A Spring	Y3/4 A Summer	Y3/4 B Autumn	Y3/4 B Spring	Y3/4 B Summer	Y5/6 A Autumn	Y5/6 A Spring	Y5/6 A Summer	Y5/6 B Autumn	Y5/6 B Spring	Y5/6 B Summer
Design and write programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts		√	✓								√	√
Use sequence, selection, and repetition in programs; work with variables and various forms of input and output		√	√		√						√	√

Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs		√										√
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		√			√			√	√			√
Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	√	√	√		√							
Use technology responsibly, securely and safely.	√	√	√		√							
Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	√	√	✓	√	√	√	√	√	✓	√	√	✓