



Rushbury C of E Primary School
Computing Curriculum Progression

Curriculum areas	National Curriculum objective Ticklerton
Computer science	Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
CS	Create and debug simple programs
CS	Use logical reasoning to predict the behaviour of simple programs
Digital literacy	Use technology purposefully to create, organise, store, manipulate and retrieve digital content
Information Technology	Recognise common uses of information technology beyond school
DL	Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies

Curriculum areas	National Curriculum objective Gretton
CS	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
CS	Use sequence, selection, and repetition in programs; work with variables and various forms of input and output
CS	Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
DL IT	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
DL IT	Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
CS IT	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
DL	Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact

Curriculum areas	National Curriculum objective Stanway
CS	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
CS	Use sequence, selection, and repetition in programs; work with variables and various forms of input and output
CS	Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
DL IT	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
DL IT	Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
CS IT	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
DL	Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact