

The Blake C E Primary School Curriculum Provision for Computing

Year Group	Computer Science	Information Technology	Digital Literacy
Year One	Understand what algorithms are. Create simple programs.	Use technology purposefully to create digital content. Use technology purposefully to store digital content. Use technology purposefully to retrieve digital content.	Use technology safely keeping personal information private. Recognise common uses of information technology beyond school.
Year Two	Understand that algorithms are implemented as programs on digital devices. Understand that programs execute by following precise and unambiguous instructions – light bot. Debug simple programs. Use logical reasoning to predict the behaviour of simple programs.	Use technology purposefully to organise digital content. Use technology purposefully to manipulate digital content.	Use technology respectfully. Understand where to go for help and support when they have concerns about content or contact on the internet or other online technologies. c.c. PSHE – E Safety
Year Three	Write programs that accomplish specific goals. Use sequence in programs.	Use search technologies effectively. Use a variety of software to accomplish given goals. Collect information. Present information.	Use technology safely and responsibly. Identify a range of ways to report concerns about contact.
Year Four	Work with various forms of input and output. Design programs that accomplish specific goals. Debug programs that accomplish specific goals. Use repetition in programs.	Use search technologies effectively. Use a variety of software to accomplish given goals. Design and create content. Select and use internet services.	Understand the opportunities computer networks offer for communication. Identify a range of ways to report concerns about content and contact. Use technology respectfully. Recognise acceptable/unacceptable behaviour.
Year Five	Design and create programs. Control or simulate physical systems. Use logical reasoning to detect and correct errors in algorithms and programs. Understand how computer networks can provide multiple services, such as the www. Appreciate how results are selected and ranked.	Select a variety of software to accomplish given goals. Select, use and combine internet services. Analyse information. Evaluate information. Collect data. Present data.	Understand the opportunities computer networks offer for communication. Identify a range of ways to report concerns about content and contact. Recognise acceptable/unacceptable behaviour.
Year Six	Solve problems by decomposing them into smaller parts. Use selection in programs. Work with variables. Use logical reasoning to explain how some simple algorithms work. Use logical reasoning to detect and correct errors in algorithms. Understand computer networks including the internet. Appreciate how results are ranked.	Combine a variety of software to accomplish given goals. Select, use and combine software on a range of digital devices. Analyse data. Evaluate data. Design and create systems.	Understand the opportunities computer networks offer for collaboration. Be discerning in evaluating digital content.