WITHINFIELDS PRIMARY SCHOOL

COMPUTING CURRICULUM – KS2

Throughout computing teaching in KS2, teachers will provide opportunities for children to develop all aspects of ICT and Computing. The curriculum is designed as a spiral so that as the children move through school, they build on their knowledge, skills and understanding. Switched on Computing is utilised as our key teaching resource for the computing curriculum and a range of software, applications and programmes are introduced and used by the children.

	Key Stage 2
Create Programs	Write programs that accomplish specific goals Design programs that accomplish specific goals Debug programs that accomplish specific goals Control or simulate physical systems Solve problems by decomposing them into smaller parts
Develop Programmes	Use sequence in programs Use selection in programs Use repetition in programs Work with variables Work with various forms of input and output
Reasoning	Use logical reasoning to detect and correct errors in programs Use logical reasoning to explain how some simple algorithms work Use logical reasoning to detect and correct errors in algorithms
Networks	Understand how computer networks can provide multiple services, such as the world wide web Understand computer networks, including the internet Understand the opportunities computer networks offer for communication Understand the opportunities computer networks offer for collaboration
Search Engines	Use search technologies effectively Appreciate how search results are selected Appreciate how search results are ranked Be discerning in evaluating digital content
Using Programs	Select, use and combine software Design and create content Design and create systems Collect, analyse, evaluate and present data and information
Safe Use	Use technology responsibly Identify a range of ways to report concerns about contact Identify a range of ways to report concerns about content Recognise acceptable/unacceptable behaviour

	Year 3	Year 4	Year 5	Year 6
Units	We are programmers We are bug fixers We are presenters We are network engineers We are communicators We are opinion pollsters	We are software developers We are toy designers We are musicians We are HTML editors We are co-authors We are meteorologists	We are game developers We are cryptographers We are artists We are web developers We are bloggers We are architects	We are app planners We are project managers We are market researchers We are interface designers We are app developers We are marketers