

KS1 Knowledge and Skills - Computing

Knowledge and Skills	Year/Topic
Aims	
Can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation	
Can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems	
Can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems	
Are responsible, competent, confident and creative users of information and communication technology	
Pupils Should Be Taught To:	
Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions	
Create and debug 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, 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	