Primary Computing Knowledge & Skills Audit for Primary Teachers

Name_____ School_____	I am **not** confident I can teach this yet	I am **confident** I can teach this	I am **very** confident I can teach this
Computing Science NC POS			
I can explain what an algorithm is (KS1)			
I can explain how algorithms are implemented as programs on digital devices (KS1)			
I can explain how programs execute by following precise and unambiguous instructions (KS1)			
I can predict the behaviour of simple programs using logical reasoning (KS1)			
I can create simple programs (KS1)			
I can debug simple programs (KS1)			
I can design programs that accomplish specific goals (KS2)			
I can write programs that accomplish specific goals (KS2)			
I can debug programs that accomplish specific goals (KS2)			
I can control or simulate physical systems (KS2)			
I can solve problems by decomposing them into smaller parts (KS2)			
I can use sequence in programs (KS2)			
I can use repetition in programs (KS2)			
I can use selection in programs (KS2)			
I can work with variables (KS2)			
I can work with various forms of input and outputs (KS2)			
I can use logical reasoning to explain how simple algorithms work (KS2)			
I can use logical reasoning to detect and correct errors in algorithms & programs (KS2)			
Computational Thinking Unpicked NC Aims			
I can generalise an idea or project			
I can start to use abstraction			
I can use algorithmic evaluation			
Information Technology NC POS			
I can explain common uses of information technology beyond school (KS1)			
I can explain how a computer networks work (KS2)			
I can explain how the Internet works (KS2)			
I can explain how computer networks can provide multiple services such as the World Wide Web (KS2)			
I can explain how search results are selected and ranked (KS2)			
Digital Literacy NC POS			
I can use technology purposefully to create and manipulate digital content (KS1)			
I can use technology purposefully to store, organise & retrieve digital content (KS1			
I can use search technologies effectively (KS2)			

I can select, use and combine a variety of software (including internet services) on a range of digital devices (KS2)			
I can design a range of programs, systems and content that accomplish given goals (KS2)			
I can create a range of programs, systems and content that accomplish given goals (KS2)			
Online Safety NC POS			
I can use technology safely (KS1 & 2)			
I can use technology respectfully (KS1 & 2)			
I can use technology responsibly (KS2)			
I can keep personal information private (KS1)			
I know where to go for help (KS1 & 2)			
I can identify content that may cause concern (KS1 & 2)			
I can identify contact that may cause concern (KS1 & 2)			
Online Safety Unpicked			
I know about cyber bullying			
I know about issues involved with social networking including gaming networks			
I know about issues involved with publishing pictures and videos online			
I know about netiquette issues involved with using online technology			
I know about legal, moral and safety issues when signing up for and using online services			

Which words best describe how you feel about teaching aspects of computing (tick as many as apply)

	Frightened	Excited	Nervous	Curious	Neutral	Confused	Other
Computing Science							
Information Technology							
Digital Literacy							
Online Safety							

I recommend KS2 teachers fill in KS1 rows as these are foundational and often continue into KS2

Adapted from NC for Computing 2014 and Quickstart Computing Guide with notable changes

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