Assessing Computing @ Charlton House

KS1

Children should be taught to :

1.1 understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
1.2 create and debug simple programs
1.3 use logical reasoning to predict the behaviour of simple programs
1.4 use technology purposefully to create, organise, store, manipulate and retrieve digital content
1.5 recognise common uses of information technology beyond school
1.6 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.

I can …	1.1	Not Met	Working Towards	Met	Exceeded
Understand what algorithms are					
Understand that algorithms are implemented as programs on digital devices					
Understand that programs execute by following precise and unambiguous instructions					
I can …	1.2	Not Met	Working Towards	Met	Exceeded
Create simple programs					
Debug simple programs					
I can …	1.3	Not Met	Working Towards	Met	Exceeded
Use logical reasoning to predict the behaviour of own programs					
Use logical reasoning to predict the behaviour of others' programs					
I can …	1.4	Not Met	Working Towards	Met	Exceeded
Use technology purposefully to create digital content					
Use technology purposefully to store digital content					
Use technology purposefully to retrieve digital content					
Use technology purposefully to organise digital content					
Use technology purposefully to manipulate digital content					
I can …	1.5	Not Met	Working Towards	Met	Exceeded
Recognise common uses of information technology at home					
recognise common uses of information technology beyond school					
I can …	1.6	Not Met	Working Towards	Met	Exceeded
Use technology safely					
Keep personal information private					
Use technology respectfully					
Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies					

KS2

Children should be taught to:

2.1   design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts

2.2   use sequence, selection, and repetition in programs; work with variables and various forms of input and output

2.3   use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs

2.4   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

2.5   use search technologies effectively.

2.6   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

2.7   use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

I can …	2.1	Not Met	Working Towards	Met	Exceeded
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					
I can …	2.2	Not Met	Working Towards	Met	Exceeded
Use sequence in programs					
Use selection in programs					
Use repetition in programs					
Work with variables					
Work with various forms of input and output					
I can …	2.3	Not Met	Working Towards	Met	Exceeded
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					
I can …	2.4	Not Met	Working Towards	Met	Exceeded
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					
I can …	2.5	Not Met	Working Towards	Met	Exceeded
Use search technologies effectively					
Appreciate how search results are selected					
Appreciate how search results are ranked					
Be discerning in evaluating digital content					
I can …	2.6	Not Met	Working Towards	Met	Exceeded
Select, use and combine software					

		Not Met	Working Towards	Met	Exceeded
Design and create content					
Design and create systems					
Collect, analyse, evaluate and present data					
Collect, analyse, evaluate and present information					
I can …	2.7	Not Met	Working Towards	Met	Exceeded
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					