

COMPUTING SKILLS ASSESSMENT PROGRESSION STATEMENTS

EYFS Early Learning Goals	Communication and Language: Follow instructions involving several ideas or actions. Mathematics: Recognise, create and describe patterns. Use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems.
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STATEMENT	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
Use appropriate vocabulary when analysing programs and solving problems.	Use instructional language.	Describe algorithms to achieve a task and the effect of making changes to a simple program.	Create and explain how simple algorithms work, break up an open-ended problem into smaller parts and begin to debug own programs.	Compare algorithms, decompose programs into smaller parts and recognise and debug some errors in a range of programs.	Analyse algorithms and refine them to improve efficiency and use logical reasoning to analyse and debug programs.	Use logical reasoning to detect and correct errors in algorithms and programs and improve efficiency, communicating this appropriately to others.
Be proficient in the technical and practical skills needed in coding for a variety of purposes.	Identify algorithms in everyday life.	Create a simple program to do a simple task and describe what it does.	Sequence programming commands and explain their effect.	Create a range of programs to perform given tasks using sequence and repetition effectively.	Create, analyse algorithms and refine or extend algorithms to improve efficiency making use of selection and variables.	Deconstruct, improve and create increasingly complex programs, explaining why they have been structured as they have.
Be proficient in using information technology in a range of contexts.	Identify common uses of information technology beyond school.	Describe how technology can be used to create, organise, store, manipulate and retrieve digital content including using the internet to find information.	Explain how to search for digital content using the internet and be able to collect data and use software to present it.	Use search technologies effectively to collect digital content and be able to present data from a range of sources in different ways showing awareness of purpose and audience.	Analyse and select from internet search results, appreciating how results are selected and ranked and analyse data, noting possible mistakes, before presenting it for a given purpose and audience.	Be discerning in evaluating digital content and independently select, use and combine a variety of software to collect, analyse, evaluate and present data and information for a variety of audiences and purposes.
Think critically and responsibly when using information and communication technology.	Identify which information is personal and needs to be kept private and where to go for help and support if they have concerns.	Describe some of the potential risks associated with the online world and know simple rules for staying safe online	Explain why it is important to use technology and communicate online respectfully and responsibly and why certain behaviours are unacceptable.	Explain ways to protect themselves and others from harm online and identify a number of ways to report concerns about content and contact.	Consider ways in which personal details may be inadvertently revealed and explain the consequences of sharing too much information online.	Evaluate online content in terms of appropriateness and explain the consequences of not using technology safely, respectfully and responsibly.