



Robert Bloomfield Academy: Key Stage 2 Grade Descriptors – Computing



KS2 Age Related Expectations	Algorithms	Programming & Development	Data & Data Representation	Hardware & Processing	Communication & Networks	Information Technology
6 Secure	I can use logical reasoning to predict outcomes.	I can find and correct simple semantic errors i.e. debugging, in programs.	I know that data can be structured in tables to make it useful.	I know how programs specify the function of a general purpose computer.	I can show use of computers safely and responsibly, knowing a range of ways to report unacceptable content and contact when online.	I can use a variety of software to manipulate and present digital content: and information.
6 Developing	I can design simple algorithms using loops, and selection i.e. if statements.	I can use logical reasoning to predict the behaviour of programs.	I know that programs can work with different types of data.	I know and can use a range of input and output devices.	I can show use of computers safely and responsibly, knowing a range of ways to report unacceptable content and contact when online.	I can show an awareness for the quality of digital content collected.
6 Beginning	I know that algorithms are implemented on digital devices as programs.	I can use arithmetic operators, if statements, and loops, within programs.	I know different types of data: text, number.	I know that a range of digital devices can be considered a computer.	I can navigate the web and can carry out simple web searches to collect digital content.	I can use technology with increasing independence to purposefully organise digital content.
5 Secure	I can show care and precision to avoid errors	I can run, check and change programs.	I know the difference between some of these digital forms and can explain the different ways that they communicate information.	I know that all software executed on digital devices is programmed.	I know what to do when concerned about content or being contacted.	I can share my use of technology in school. I know common uses of information technology beyond the classroom.
5 Developing	I know that computers need precise instructions.	I can create a simple program.	I know the difference between some of these digital forms and can explain the different ways that they communicate information.	I know that all software executed on digital devices is programmed.	I know the importance of communicating safely and respectfully online, and the need for keeping personal information private.	I know that people interact with computers.
5 Beginning	I know what an algorithm is and I can express simple algorithms using symbols.	I know that users can write their own programs.	I know that digital content can be represented in many forms.	I know that computers have no intelligence and that computers can do nothing unless a program is run.	I can find content from the world wide web using a web browser.	I can use software under the control of the teacher to create, store and edit digital content using appropriate file and folder names.