Fulwood Academy- KS3 Grade Descriptors- Computing

Level	Algorithmic Thinking	Programming Skills	Digital Literacy & Software Use	Collaboration & Problem Solving
1	Demonstrates a basic understanding of how simple algorithms work. Struggles to break down problems into steps.	Basic understanding of programming syntax. Unable to consistently apply logic to create functional programs.	Limited ability to use standard software or online tools independently. Minimal understanding of e-safety.	Struggles to work collaboratively, with minimal contribution to group problem-solving activities.
2	Shows adequate understanding of basic algorithms. Can explain the logic behind simple decisions.	Adequate use of basic programming constructs like loops or conditions. Can follow simple programming tasks with guidance.	Adequate ability to use common software. Demonstrates basic e-safety understanding.	Sometimes contributes to group tasks, providing some input and collaborating occasionally.
3	Demonstrates sound understanding of algorithms, can break problems into smaller tasks with some assistance.	Writes programs that use basic structures (loops, conditions) with some accuracy. Shows growing independence in debugging simple code.	Sound use of various software tools. Demonstrates consistent understanding of online safety and digital ethics.	Contributes regularly to group tasks, showing some initiative in problem-solving activities.
4	Demonstrates a growing ability to plan more complex algorithms, identifying key steps with minimal guidance.	Programs are functional and show good use of programming structures. Some ability to identify errors and debug code independently.	Confident in using common software tools. Shows growing awareness of how to stay safe online and protect digital privacy.	Works well in teams, demonstrating clear problem-solving and decision-making skills.
5	Demonstrates secure understanding of algorithms, able to break down more complex problems and suggest solutions independently.	Writes structured, functional programs with confidence. Debugs errors and refines code efficiently.	Secure ability to use a range of software tools, showing understanding of file management, digital collaboration, and data security.	Contributes effectively to group tasks, often leading decision-making and guiding problem-solving efforts.
6	Demonstrates advanced algorithmic thinking, able to independently create complex solutions for various problem scenarios.	Writes advanced programs with confidence, integrating multiple structures and handling errors with precision.	Confident and independent use of software, demonstrating deep understanding of digital literacy, cybersecurity, and ethical digital practices.	Leads collaborative problem-solving, encouraging others and offering constructive feedback to team members.