



Digital Curriculum

BAND	E-Safety	Personal Skills	Use of IT	Planning	Testing and Evaluating	Algorithms	Code	Digital Media	Handling Data	Computer Systems
1	I can log on and lock my computer	Some work completed correctly with support	I can name my files sensibly I can organise my work into folders	I can say what I am trying to do in a task	I can write a simple description of what I have done well in my project	I can write a simple list of steps to solve a problem	I can write a simple, sequential script	I can identify elements in a digital product, such as a website	I can read data from simple tables	I can state the basic components of a computer, including Input and Output devices
2	I can choose a sensible password for my computer	All work attempted but some key sections missing	I can submit my work to my teacher electronically I can use email appropriately for work	I can give a clear example of what I am trying to do	I can state some simple improvements to my project	I can solve a problem using a decision	I can use basic input/output without variables	I can create a basic presentation using text and images	I can present data in a simple table	I can identify different file types and state how they are used
3	I can state some risks of using technology, including the Internet	All work completed but with extensive support	I can present evidence of my work, e.g. using screenshots.	I can write a simple target for my work	I can review work created by someone else and give basic feedback	I can solve a problem by repeating steps	I can use basic input/output and do calculations with a variable	I can evaluate digital media, e.g. business websites	I can format a SS to improve readability I can print a SS clearly, e.g. 1 page, formula view	I can count in binary and convert numbers to and from binary
4	I can describe basic measures to protect myself and my work when using IT	Needs some support to complete work on time and with all sections complete	I can use the tools in word etc. to present my work clearly, e.g. using footers I can give a source for any images I have used	I can list basic goals and requirements for a project I can write a basic plan for my work	I can give evidence that my project works	I can draw flowcharts for algorithms with a decision and a loop	I can use an if statement to make decisions and use a loop to repeat code	I can create simple web pages using text and images	I can filter and sort data in a spreadsheet/DB	I can describe computer components in more detail, including storage devices
5	I can state the key points of laws relating to the use of IT	Work completed on time with no major errors or omissions	I can search online for appropriate images etc. to use in my work I can store images etc. appropriately and provide copyright details	I can state simple success criteria for a project I can list the components required for a project. I can choose appropriate software for my project	I can test my work with normal data and prove that it works correctly. I can state which success criteria I have met I can use a questionnaire to get appropriate user feedback	I can draw accurate flowcharts for algorithms with nested decisions and more than one loop	I can write working code on my own and fix simple errors	I can create a website with at least 5 linked pages I can use some tools within the package to aid user interaction	I can create simple formulae in spreadsheet. I can create a query on one field in a DB	I can choose appropriate HW and SW for a system and justify my choices
6	I can explain how IT laws may be met by businesses and users	Works independently to meet deadlines and complete work accurately	I can import data from other software or combine different documents when I present my work.	I can write clear success criteria for my project I can justify my design choices with some reference to my criteria	I can test my work with erroneous data I can analyse feedback to say how I have met my criteria and how I would improve further	I can design an algorithm to solve an unseen problem My flowcharts use variables	I can use loops with conditions to control my program	I can Use HTML to create a elements in a website	I can Create charts in SS. I can create complex formulae in SS, e.g. IF. I can create a complex query in DB, e.g. two fields. I can run a report in a DB, e.g. label	I Know different file types and can describe how they are used
7	I can discuss moral and ethical issues relating to the use of IT	Always ensures that work is completed to a high standard and meets deadlines	I can follow a consistent style throughout my work, including fonts, colours and layout,	I can design accurate plans for my whole project I can justify all the choices in my design	I can test my work with boundary data I can explain why my solution meets the criteria and why my improvements are needed	I can write a truth table for a complex decision	I understand data types and I can validate user input	I can use a wide range of tools to provide user interaction	I can mail merge from a DB or SS	I can explain how a computer processes data
8	I can discuss the impact of technological change on daily life	Work is extended beyond lessons using independent research	All my work is presented appropriately for the client, with excellent SPG	I can write an extensive and detailed plan for my whole project,	I can carry out a wide range of processing and system tests, e.g. download speeds for website	I can trace an algorithm showing all variables	I can write code to solve a complex problem	My Website/product is of high quality throughout, with a sense of consistency and house style	I can link data in different sheets and/or use automated tools, e.g. macros	I can explain how computers share data in a network
9	I can discuss current affairs in IT and digital safety, using a variety of sources.	Work combines content/ skills from different units and subjects	I can use a wide variety of IT tools to support my learning across my subjects	My plans are detailed and include SMART targets and timelines	My testing and evaluation are thorough, with detailed evidence for all my criteria.	I can write a complex algorithm in pseudocode	I can solve complex problems using efficient coding techniques	My website is high quality and meets client needs	I can use SS/DB tools to present a range of data clearly	I can discuss the benefits and limitations of different computer systems