Subject: Information Technology

Year group: 8

Age-related Criteria for KS3 reporting

ARC	Digital Literacy – Understanding the wider implications of technology and how to be a responsible and safe digital citizen	Computing	IT – Being able to create and evaluate new digital products for given audiences and handle data effectively
Exceeding	Your child can: • Explain in detail with examples how to use technology safely • Has a developed understanding of how emerging technologies such as AI impact upon the trustworthiness of online sources • Demonstrate a developed understanding of the impact of social media upon well-being	Your child can: • Use a given range of HTML tags with fluency to create a multi-page website • Use a range of HTML tags from their own research to improve user experience • Identify and discuss the purpose of a range of internal computer components including storage devices and the CPU. They have some understanding of how these impact upon the performance of a computer system • Knows why computers represent and store data as binary. • Explain the rules of each of the three logic gates • Understand that logic gates can be combined to make more complex circuits	Your child can: • Use their folder structure without prompting to organise stored files • Use skills taught including effective use of increasingly complex formulae and functions, and formatting to create a spreadsheet suitable for purpose and audience • Choose and combine applications appropriate to produce creative solutions suitable for purpose and audience • Produce a plan for a solution sufficient in detail to produce a creative digital product suitable for purpose and audience

		• Perform binary conversions and additions with fluency • Use Python independently to solve computational problems • Explain how sequence, selection and iteration control the flow of data through an algorithm	
Meeting	Your child can: • Explain how to use technology safely • Understands where to go to get safeguarding help • Understand that not all online content is trustworthy and knows some ways to identify appropriate sources of information • Understand that social media can impact upon well-being	Your child can: • Use a range of HTML tags with limited assistance to create a multi-page website with appropriate formatting • Identify and discuss the purpose of a range of internal computer components including storage devices and the CPU. • Know how to perform basic binary conversions and additions • Categorise external devices as inputs or outputs • Enter Python code accurately • Use Python to solve basic computational problems • Understand that computational algorithms make use of decisions, loops and sequence	Your child can: • Use their folder structure with limited prompting to store files effectively • Use formulae, functions and formatting with some fluency to produce data handling solutions appropriate for given audiences. • Choose appropriate applications with limited prompting to produce solutions with some features appropriate for purpose and audience • Plan a solution to a given problem showing some aspects of creativity
Developing	Your child can: • Understand that using technology must be done safely and can explain some ways to stay safe	Your child can: • Use HTML tags with assistance to create a basic one page website • Name some internal components of a computer	Your child can: • Use their folder structure with regular reminders to store files with some efficacy

		• Know that computers store and process data in binary • Explain the difference between input devices and output devices • Enter Python code with assistance to solve some basic computational problems	• Use basic formulae and some functions to produce data handling solutions • Use applications with assistance to produce digital artefacts • Create a plan with assistance to a given problem