BMAT KS3 Level Descriptors: Computing & IT
BMAT KS3 Level 1- 8

1	• Students can demonstrate a very limited understanding of computational skills, algorithms, programming, computer systems and networks. • There is limited evidence of digital literacy skills in data handling, presenting information and being safe online.
2	• Students can demonstrate a basic understanding of computational skills, algorithms, programming, computer systems and networks. • They have a basic understanding of the risks of being online, and how to research data and present information.
3	• Students can demonstrate some computational skills through listing basic steps to solve problems, programming simple solutions, and identifying components of computer systems and networks. • Their digital literacy skills include stating ways to stay safe online, refining data searches, and presenting basic digital artefacts.
4	• Students can demonstrate some computational understanding in the writing of algorithms and programs to solve problems, and in the identification of computer system and network components. • Their digital literacy skills include identifying ways to keep themselves and others safe online, an understanding of how data is stored and retrieved, and being able to create digital artefacts from a given brief.
5	• Students can demonstrate a range of computational skills in the planning and creation of programs to solve problems. The components of computer systems and networks have been clearly identified with their use explained. • Their digital literacy skills has been presented through well planned and prepared digital artefacts, understanding data and identifying online safety for you and others.
6	• Students can demonstrate and justify computational skills through algorithms and computer programs, with suggestions for the components of computer systems and networks explained. • Their understanding of data storage, the identification of online risks, and the planning and creation of digital artefacts, all demonstrate a wide range of digital literacy skills.
7	• Students can clearly demonstrate their programming and computational thinking skills, which are complemented by their understanding of the purpose and use of computer systems and networks. • Their sound digital literacy skills are demonstrated by the awareness of staying safe online, the storage, creation and retrieval of data, and the planning, creation and evaluation of digital artefacts.
8	• Students can comprehensively demonstrate their computational skills through the evaluation of real-world situations represented in algorithms and programs. The purpose and use of computer systems and networks are fully justified.

| | • Their thorough digital literacy skills are presented through well planned, created and evaluated digital artefacts, the understanding and implementation of data storage, and the online safety of themselves and others. |