Y8 COMPUTING

Yardleys School — WORKING TOGETHER FOR A BETTER FUTURE

COMPTING AT YARDLEYS
INTENT: Through our ambitious computing curriculum our learners will have access to a broad and balanced range of topics including: digital literacy, computational thinking and modern technology. Yardley's computing curriculum will provide students with an understanding of how computing underpins today's modern lifestyle and has made the world better, faster and more connected. We ensure that the students at Yardleys can develop to become masters and creators in this field, to aid them in their development of our rapidly changing technological world.
Y8 COMPUTING AT YARDLEYS
In year 8 students will develop a greater understanding and use of different software skills. They will have the opportunity to create some apps and build on prior learning of programming.

Year 8

	Software skills and E-safety Cyber security	Creating apps	Programming
SUBSTANTIVE KNOWLEDGE	Software Emails Malware Cyber attacks Legislation	App development Event driven programming Establish user needs Decomposition Variables Sequencing and selection Block based programming language	Use of binary selection Awareness of syntax errors Block based programming language Decomposition Variables Sequencing and selection
DISCIPLINARY KNOWLEDGE (primary focus in capitals)	Identify appropriate software for a given purpose/communicate Explain the need for legislation How different types of malware cause problems How to protect a network	Coding skills Decomposition Variables Sequencing and selection Block based programming language	Use of Programming language Use simple arithmetic expressions in assignment statements to calculate values Sequencing and selection Understanding of Integers Role of Iteration

We aim to provide students with a curriculum that educates the whole child, creating responsible and respectful citizens. Through the development of substantive and disciplinary knowledge students are given the tools that allow them to achieve excellence and be ready for life.