

Y9 IT



IT 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.

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In year 9 students are developing a greater understanding of effective digital working practices and the risks involved.

Year 9

	Effective digital working practices – Modern technologies	Effective digital working practices – Cybersecurity	Effective digital working practices – The wider implication of digital security
SUBSTANTIVE KNOWLEDGE	Communication technologies Cloud technology Impact of modern technology	Threats to data Impact of a security breach User access restrictions Data level protection Improving security Policy	Responsible use of technology Legislation Ethics Forms of notation
DISCIPLINARY KNOWLEDGE (primary focus in capitals)	How and why modern technologies are used by organisations and stakeholders Understand how modern technologies impact on the way organisations perform tasks	Understand how reliance on technology can present challenges Understand how different measures can be implemented to protect digital systems Understand the need for and nature of security policies in organisation	Consider the responsible use of digital systems Understand the scope and purpose of legislation Interpret and use standard conventions to combine diagrammatical and written information to express an understanding of concepts.