

Y10 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 10 students studying IT will look in greater depth at how IT can be used to help collect, present and interpret data and well as how digital systems should be used responsibly.

Year 10

	Collecting, Presenting and Interpreting Data	Collecting, Presenting and Interpreting Data Effective digital working practices	Effective digital working practices Exploring User Interface Design Principles and Project Planning Technique
SUBSTANTIVE KNOWLEDGE	Spreadsheets Data processing methods Dashboards Draw conclusions Make recommendations	Responsible use of technology Legislation Ethics Forms of notation	User interface Audience and purpose Project plans
DISCIPLINARY KNOWLEDGE (primary focus in capitals)	Importance of spreadsheets Analyse data Create graphs Understand how presentations affects understanding	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.	Assess how effectively two different types of user interface meet the design principles and user needs Create an appropriate project plan Develop and refine an effective user interface