

Curriculum Topic Overview 2023-2024

Computer Studies and Information Technology



Year group	Topic 1	Topic 2	Topic 3	Topic 4	Topic 5	Topic 6
7	Introduction to computer and school systems	Online Safety	Spreadsheet modelling: Microsoft Excel	How Computers Work	Data Representation	Programming: Small Basic
8	Impacts of Gaming	How do Networks work?	Animation: Adobe Animate	Big Data	Programming: Python	
9	Cyber Security	Programming: Python	Photoshop	Web Development: Adobe Dreamweaver	Programming: Physical Computing	
10 IT	<b>A:</b> Modern Technology <b>B:</b> System threats, internal & external	<b>A:</b> Impact of Modern Technologies <b>B:</b> User restrictions, protection & policies	<b>A:</b> Threats to Data <b>B:</b> Data flow diagrams & flowcharts	<b>A:</b> Prevention of Threats to data <b>B:</b> User interface – accessibility features	<b>A:</b> Developing Policy <b>B:</b> User interface – design principles	<b>A:</b> Legal, ethical and responsible use of technology <b>B:</b> Mock User Interface
10 CS	<b>A:</b> Programming: Developing Code and Computational Thinking <b>B: Theory</b> Computer Hardware	<b>A:</b> Programming: Data Structures and Algorithms <b>B: Theory</b> Computer Software & programming languages	<b>A:</b> Programming :Input/output <b>B: Theory</b> Computational Thinking	<b>A:</b> Programming: Operators <b>B: Theory</b> Data	<b>A:</b> Programming: Sub Programs <b>B: Theory</b> Networks	<b>A:</b> Programming Revision <b>B: Theory</b> Issues & impacts
11 ICT	<b>A:</b> Data Modelling Controlled Assessment <b>B:</b> User Interface – Controlled Assessment	<b>A:</b> Data Modelling Controlled Assessment <b>B:</b> User Interface – Controlled Assessment	<b>A:</b> Revision: Modern Technology <b>B:</b> Revision: Threats to Data	<b>A:</b> Revision: Developing Policy <b>B:</b> Revision Legal, ethical and responsible use of technology	<b>A:</b> Revision Forms of Notation <b>B:</b> Revision: Impact of modern technologies	<b>A:</b> Revision of gaps <b>B:</b> Revision of gaps in knowledge

Computer Science	ICT	Digital Literacy
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