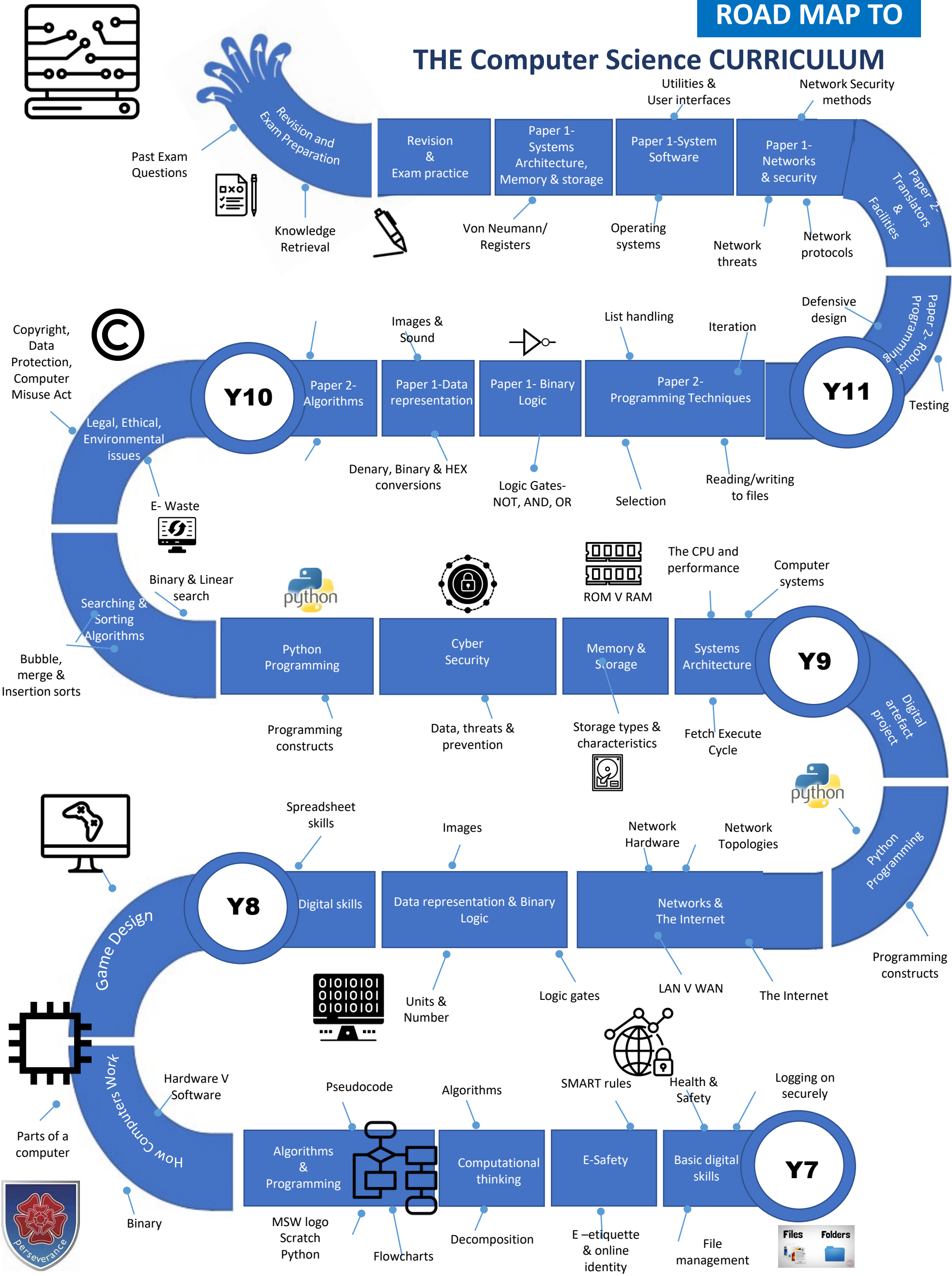
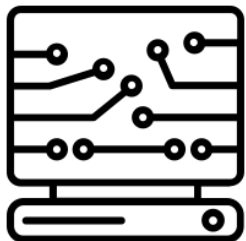


THE Computer Science CURRICULUM



THE IT CURRICULUM



Past Exam Questions

Revision and Exam Preparation

Knowledge Retrieval

Final Exam

Revision & Exam practice

Past Exam Questions

Using ICT theory

Copyright, Data Protection, Computer Misuse Act



Y10



Email etiquette



Spreadsheets



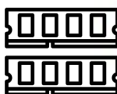
Selecting & presenting data



Y11

Legal, Ethical, Environmental issues

E-Waste



ROM V RAM

Memory & Storage



Storage types & characteristics



Cyber Security

Data, threats & prevention



Python Programming

Programming constructs

Binary & Linear search

Searching & Sorting Algorithms

Bubble, merge & Insertion sorts

System Software V

Application Software

Computer systems

Systems Architecture

Fetch Execute Cycle

Y9

Digital artefact project



Python Programming

Spreadsheet skills

Images

Network Hardware

Network Topologies

Y8

Digital skills

Data representation & Binary Logic

Networks & The Internet

Programming constructs



Units & Number

Logic gates

LAN V WAN

The Internet

Game Design

How Computers Work

Hardware V Software

Pseudocode

Algorithms

SMART rules

Health & Safety

Logging on securely

Parts of a computer

Algorithms & Programming

Computational thinking

E-Safety

Basic digital skills

Y7

MSW logo
Scratch
Python



Flowcharts

Decomposition

E-etiquette & online identity

File management



Curriculum on a page – Computer Science

	Autumn Term	Spring term	Summer term	Assessment of learning	Enrichment opportunities / wider reading
Year 7	Welcome & Basics unit E-Safety unit	How Computers work Computational thinking - Algorithms & Programming	Scratch programming	<i>End of topic assessments for each area.</i>	http://teach-ict.com/2016/ks3/ks3_home.html https://www.bbc.com/bitesize/subjects/zvc9q6f
Year 8	Modelling Data - Spreadsheets Data Representation	Networks Using media	Python programming		http://teach-ict.com/2016/ks3/ks3_home.html https://www.bbc.com/bitesize/subjects/zvc9q6f
Year 9	Computer Systems Cyber Security	Memory & Storage Creating a digital artefact	Python programming System Software	<i>End of topic assessments for each area.</i> <i>On-line quizzes on teach-ict.com</i>	https://www.bbc.co.uk/bitesize/subjects/zvc9q6f https://teach-ict.com/2016/GCSE_Computing/OCR_J277/OCR_J277_home.html https://www.ocr.org.uk/qualifications/qcse/computer-science-j277-from-2020/
Year 10	Computational thinking & Algorithms Data representation	Computational Logic Programming Fundamentals Robust Programs	Translators Ethical, Moral, legal issues	<i>Exam style questions</i>	https://teach-ict.com/2016/GCSE_Computing/OCR_J277/OCR_J277_home.html https://www.ocr.org.uk/qualifications/gcse/computer-science-j277-from-2020/
Year 11	Algorithms Programming tasks	Revision	Revision		https://teach-ict.com/2016/GCSE_Computing/OCR_J277/OCR_J277_home.html

Curriculum on a page – Computer Science

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