KINGSWINFORD ACADEMY
ASPIRE TO EXCELLENCE

Year 11 Achieve Excellence - Parent Support Guide
Computer Science

Key Exam Information:
Exam Board:AQA

Assessment: Two written exam papers, each 1 hour 30 mins, worth 50% each.
Paper 1 tests theory of how computers work (hardware, networks, security),
Paper 2 tests problem-solving, algorithms, and programming.

Course Overview:
*In year 11, we will **learn the theory** behind topics like networks, cyber security, databases, and programming.*

*We will also **practice coding, complete examples, and work on exam-style questions** to reinforce understanding.*

Term	*Key Topics (with topic numbers)*
Term 1	**Hardware & Systems Architecture Recap (3.1 - 3.2)** • 3.5: Wired & Wireless Networks • 3.5: Network Topologies • 3.5: Network Security • 3.5: Protocols & Layers
Term 2	3.6: Cyber Security Threats 3.6 Social Engineering 3.6 Malware 3.6 Detection & Prevention

Term 3	3.7: Databases 3.7 Relational Databases 3.7 SQL
Term 4	3.8: Ethical Impacts 3.8 Environmental Impacts 3.8 Legislation & Privacy
Term 5	Exam Preparation – revision of all topics, past papers, programming practice

Key content/ skills covered:

- *Students should **know key theory**: networks, cyber security, databases & SQL, ethics, environment, and legislation.*
- *They should also **be able to apply skills**: Python programming, algorithms, problem-solving, SQL, and exam-style questions*

Dates of key assessments and deadlines:

- 19/10/26 - 06/11/26 - Year 11 Mock Examinations 1
- 23/02/27 - 27/02/27 - Year 11 Mock Examinations 2

Links to past papers and revision guides:

AQA GCSE Computer Science

Links to revision sites/ resources:

- **BBC Bitesize**
- **Seneca Learning**
- **https://www.youtube.com/@ComputerScienceLessons**
- **CSUK.revise**

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