



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.

Parent-friendly: Paper 1 tests theory of how computers work (hardware, networks, security), and 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.*

<i>Term</i>	<i>Key Topics (with topic numbers)</i>
Term 1	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:

- 03/11/25 - 13/11/25 - Year 11 Mock Examinations 1
- 23/02/26 - 27/02/26 - 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/playlist?list=PLTd6ceoshprczTO-XHJdWLR2FJCx0scFE>

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