Raising Achievement: Computer Science

How is the qualification assessed?

- **Component** (**01**): Computer Systems – **50%**

- **Component** (**02**): Computational Thinking, Algorithms and Programming – **50%**

- Practical Programming Project – Non Exam Assessment: consolidates the learning across the specification through practical activity.

Components 01 and 02 are assessed via a written exam and are externally marked.

ASHLYNS SCHOOL

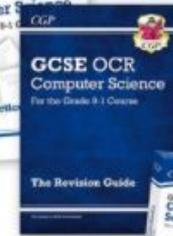| Assessment:	Component Overview
J277/01: Computer systems **Written exam** **(1 hour and 30 minutes)** **13th May 2026 PM (provisional)** **80 Marks** **50%**	• 1.1 Systems architecture • 1.2 Memory and storage • 1.3 Computer networks, connections and protocols • 1.4 Network security • 1.5 Systems software • 1.6 Ethical, legal, cultural & environmental impacts of digital technology
J277/02: Computational thinking, algorithms and programming **Written exam** **(1 hour and 30 minutes)** **19th May 2026 PM (provisional)** **80 Marks** **50%**	• 2.1 Algorithms • 2.2 Programming fundamentals • 2.3 Producing robust programs • 2.4 Boolean logic • 2.5 Programming languages and Integrated Development Environments

ASHLYNS SCHOOL

Revision Resources

- PG online Textbook

- CGP GCSE OCR Computer Science- **The revision Guide**

- CGP GCSE OCR Computer Science- **Exam Practice**

- **Google Classroom Resources** (Lesson Worksheets/Homework, End of Unit Assessments, Sixthform Tutoring Revision Resources and Reflection sheets)

- **Craig N Dave Video Channel**

- **Smart Revise**

Craig 'n' Dave For Students

20-22 GCSE CS (Year 11)
KS4

PG Textbook

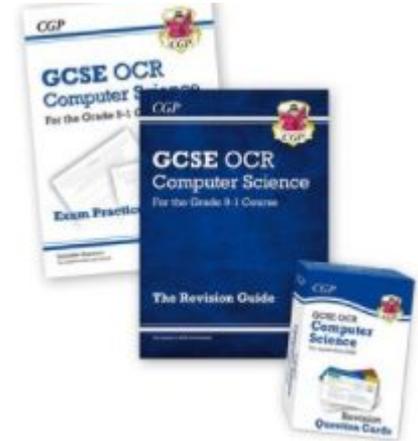**<u>Very</u>** detailed, mirrors GC resources

CGP Exam Practice

Exam book great for assessing knowledge - white used in class but excellent revision

ASHLYNS SCHOOL

Pocket Revision Cards

Available on Amazon
(Good for revision with others)

Classroom Resources

- Class resources from all lessons
- Categorised by topic

ASHLYNS SCHOOL

Smart Revise

- Excellent online tool
- Tailored to J277
- Students can filter and track topics
- Links to revision videos when knowledge is not right

"My Additional Resources"

- My Additional Resources document (in GC)
- Great for "additional" resources/other methods of revision

→ 1.1 Systems Architecture
  ◆ Short CPU Quiz
  ◆ Textbook (Paul Long)
  ◆ C&D Videos
→ 1.2 Memory and Storage
  ◆ Main Memory Mind Map
  ◆ Textbook (Paul Long)
  ◆ C&D Videos
→ 1.3 Computer Networks, Connections and Protocols & 1.4 Network Security
  ◆ TCP IP Model
  ◆ Textbook (Paul Long)
  ◆ C&D Videos
  ◆ C&D Videos
  ◆ The 7 people who own the internet
  ◆ Security Now Podcast

ASHLYNS SCHOOL

Any questions?

ASHLYNS SCHOOL