



# Raising Achievement: Computer Science



ASHLYNS SCHOOL



# 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.





## Assessment:

## Component Overview

### J277/01: Computer systems

Written exam

(1 hour and 30 minutes)

18th May 2023 (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)

25th May 2023 (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





# 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



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# PG Textbook

Very detailed, mirrors GC resources







# CGP Exam Practice

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





# Pocket Revision Cards

Available on Amazon  
(Good for revision with others)





# Classroom Resources

- Class resources from all lessons
- Categorised by topic

1.4 Network Security

1.3.6 Protocols and ...

1.3.5 Client Server &...

1.3.4 Wireless Netw...

1.3.3 Networking

1.3.2 Networking

1.3.1 Networking

2.1 Algorithms and ...

2.4 Boolean Logic

1.6 Legal, Ethical, C...

Python

1.2 Data Representa...

TIME Workbooks

1.1.1 The CPU







# 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 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](#)





# Any questions?



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