

Y11 Computer Science & Creative iMedia Revision

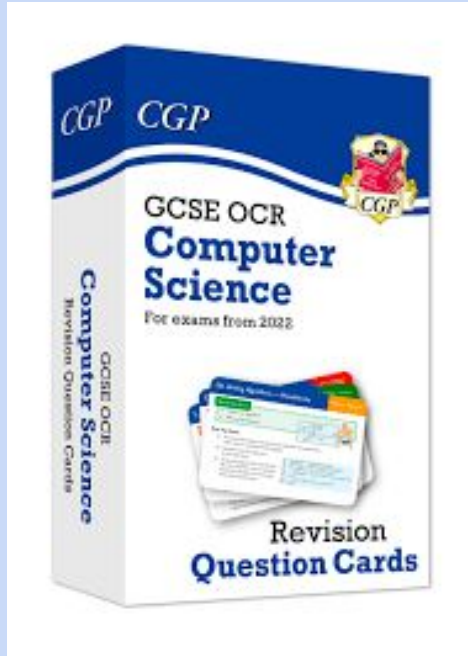
Ms Mok

5.45 pm

Craig and
Dave



D673K4



GCSE Level Key Terminology (Blank Student Version) ☆ ⓘ

File Edit View Insert Format Slide Arrange Tools Add-ons Help Last edited was on 10 March

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1.2 Memory and storage

Sub-topic 1.2.1 Primary storage (Memory)

Primary storage

<Fill in your definition here>


Note: It is essential you write this in **YOUR OWN WORDS**.
DO NOT simply copy and paste from a book or Wikipedia – you will learn nothing!

Make sure each definition is concise and to the point but, at the same time, conveys all the information required to fully explain the term.

J277/01: COMPUTER SYSTEMS

16

STUDY

 Flashcards Learn Write Spell Test

PLAY

 Match Gravity

providing a UI, memory
management/multitasking,
peripheral management and
drivers, user management, file
management



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Oxford Cambridge and RSA

Advance Information for Summer 2022

GCSE (9–1)

Computer Science

J277



Computer Science Revision Topic List (Paper 1 & 2) 2022

J277/01 Computer Systems

Specification Reference	Name of topic	Sub part of topic directly assessed
1.1 Systems architecture	1.1.1 Architecture of the CPU	The purpose of the CPU Common CPU components and their features. Von Neumann architecture
1.2 Memory and storage	1.2.1 Primary storage (Memory)	<i>All subtopics to be covered</i>
	1.2.2 Secondary storage	<i>All subtopics to be covered</i>
	1.2.3 Units	The units of data storage
	1.2.4 Data Storage	Numbers. Characters. Images. Sound.
	1.2.5 Compression	<i>All subtopics to be covered</i>
1.3 Computer networks, connections and protocols	1.3.1 Networks and topologies	Factors that affect the performance of networks. The hardware needed to connect stand-alone computers into a Local Area Network. The Internet as a worldwide collection of computer networks.
	1.3.2 Wired and wireless networks, protocols and layers	Modes of connection. Encryption. IP addressing and MAC addressing. Standards. Common protocols.
1.4 Network security	1.4.2 Identifying and preventing vulnerabilities	Common prevention methods.
1.6 Ethical, legal, cultural and environmental impacts of digital technology	1.6.1 Ethical, legal, cultural and environmental impact	Impacts of digital technology on wider society. Legislation relevant to Computer Science.

Creative iMedia Revision

Here are some YouTube links to help you with revision for the R081 exam:

<https://youtu.be/t8ozu5H69J0>

iMedia Revision Playlist:

https://www.youtube.com/playlist?list=PLF1-gNM2M8wUtRd7_nG2D8dykRZLIJG

W-

Homework: Exam Style question about File Formats. 'Words from the Planet' is a new conservation campaign with the purpose of increasing the awareness of the environmental issues that are faced by our planet. The campaign is targeted at a wide target audience between the ages of 12 and 50. 'Words from the Planet' will use a variety of media to raise awareness of the issues faced. A series of digital graphics will be created to promote the campaign. Identify the most suitable file format for each of the digital graphics listed, explaining why it is the most suitable file format. 1. Printer poster - File format and Justification [3 marks] 2. Digital poster - File format and Justification [3 marks]

After school revision sessions -
Monday/Tuesday in IT3 from 3-4pm

HW: Visualisation diagram practice exam question

J Mok • 6 Dec 2021

ProgressWalk is developing a smartphone health app to encourage adults to exercise more by walking around their local town instead of driving. Players will score points by uploading photos of themselves standing outside local buildings with the GPS coordinates attached. Different buildings and locations will score different points and players can exchange their points for healthy food and drink in local shops.

Create a **visualisation diagram** of the rewards screen of the smartphone health app.

Marks will be awarded for:

- content;
- layout;
- fitness for purpose;
- annotations to justify decisions.



[9]

