**GCSE ICT Mock Revision Guidance – Unit 1: Living in a Digital World**

For the topics below you should be able to:

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| **Grade** | **Description** |
| **A** | You will be able to comfortably be able to do everything below as well as being able to explain your choices clearly. You will be confident in explaining the benefits and drawbacks of a wide range of ICT tools. You will also be able to explain, justify and discuss a range of Legal and ethical issues presented by the use of ICT. |
| **B** | You can describe the key terms clearly. You should be comfortable describing the purpose of a wide range of ICT devices and their advantages/disadvantages. You will start to be able to explain why different hardware or software would be better for certain situations. You will be able to discuss some legal and ethical issues presented by the use of ICT tools. |
| **C** | You can identify key terms to do with most of these topics. You can describe what the key terms mean and can identify advantages/disadvantages. You will be able to select ICT tools that are suitable for a given purpose with some explanation. |
| **D** | You will start to be able to identify key terms and describe what they are |
| **E** | Identify key terms and statements about the topics without much prompting |
| **F** | Identify key terms relating to the topics with a prompt |

**Revision Guide advice:**  
Use the sections titled, Personal digital devices, Connectivity, Operating online, Online Goods and Services, Issues

1. Uses of Digital Devices
   1. For Leisure
   2. For Work
2. Using Digital Devices
   1. Factors that affect their use:
      1. Connectivity
      2. Cost
      3. Reliability etc
3. Common Features of Devices
   1. Hardware
      1. Processor
      2. Memory
      3. Storage
      4. Peripherals
   2. Software
      1. OS Software
      2. Utility Software
      3. Application Software
4. Input and Output Devices
   1. Mouse
   2. Keyboard
   3. Monitor etc
5. Connectivity
   1. Wi-Fi
   2. Bluetooth
   3. Cloud
6. Mobile Phones
   1. Functions
   2. Security
7. Personal Computers
   1. Types
   2. Components
   3. Uses
   4. Risks of use
8. Cameras and Camcorders
   1. Features
   2. File Formats
   3. Functions
   4. GPS, Wi-Fi and their impact on these devices
9. Media Players
   1. Features
   2. File Formats
   3. Connectivity
   4. DRM
10. Games Consoles
    1. Features
    2. Peripherals
    3. Developments
       1. Current
       2. Future
    4. Risks of use
11. GPS
    1. Features
    2. Uses
12. Impact of devices on organisation
    1. Benefits
    2. Drawbacks
13. Networks
    1. Wired
    2. Wireless
    3. Security Risks
       1. Virtual
       2. Physical
    4. Benefits
    5. Drawbacks
14. Combining Technology
    1. Barriers
    2. Benefits
    3. Drawbacks
15. Protocols
    1. HTTP
    2. HTTPS
    3. POP3
    4. IMAP
    5. SMTP
16. Data Protection Act
    1. What is it?
    2. What does it protect?
    3. Who does it protect?
17. Copyright
    1. What is it?
    2. What does it protect?
    3. Who does it protect?
18. Online Shopping
    1. Features of
    2. Benefits of
    3. Drawbacks of
    4. Online Auctions
    5. Transactional data
19. Online Education, News and Banking
    1. How are they used?
    2. Benefits
    3. Drawbacks
20. Advertising on the Internet

**Techniques to consider:**

* Flash Cards:

Create a pack of cards which on one side have a question, key word or Key Phrase and have the answer on the other side

When using them test your knowledge/understanding by checking your answer with the correct answer. Have two piles, one where you put down the cards that you get right and another where you put the cards that you get wrong.

Once you have gone through the whole pile of cards, pick up the pile you got wrong and go through them again adding the ones you get right to the correct pile and building another wrong pile. Repeat this process until time runs out or you have got all the answers right.

* Mind Map

This is a visual way of linking all ideas and concepts. You start with a central idea and from that you branch off with the words you associate with that concept. Off each word you can branch off with words/concepts that link to that topic. Add as much as you can to the mind map and then see what you have missed by referring to your notes or revision guide. DON’T JUST COPY OUT FROM THE NOTES OR REVISION GUIDE. The idea is to see what you know and what you need to learn.

* Practice Questions

(If you have bought them) Use the questions in the revision guide or work book. Try the questions and then check the answer. Don’t write in the book as you can then carry out the questions again at a later date.

If you have not got the revision books you can get past papers from the Edexcel website.

* See your teacher for support and/or to organise a revision session.