Target for this cycle Choose an item.

Name: Click here to enter text.

**Protocols and Security!**

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| **Research the meaning of the following protocols** |
| |  |  | | --- | --- | | **Protocol** | **Definition** | | HTTP |  | | HTTPS |  | | POP |  | | IMAP |  | | SMTP |  | | VOIP |  | |
| **List two physical risks to computers and other devices** |
| Click here to enter text. |
| **Security-How do we prevent unauthorised users from accessing computers and data?** |
| Click here to enter text. |
| **Discuss the security measures that data programming should take at their officers** |
| Click here to enter text. |
| **Layla would like to use her VOIP on her netbook to keep in touch with her cousin in Canada,**   1. **State two pieces of equipment she will need to make calls? (2 marks)** |
| Click here to enter text. |
| **Most of Layla’s friends have computers at home. She finds that she cannot use VOIP to call some of them. Give one possible reason for this. (1 mark)** |
|  |
| **John’s email account uses POP protocol. Describe how the POP protocol is different from IMAP when receiving an email. (2 marks)** |
| Click here to enter text. |

**The internet and services!**

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| --- |
| **Define connectivity** |
| Click here to enter text. |
| Define the term LAN |
| Click here to enter text. |
| **Home networks are used to allow users to share an internet connection. What are the benefits of using a home network?** |
| Click here to enter text. |
| **Define the term router. What is the purpose of a router?** |
| Click here to enter text. |
| **Home Networks- what is LAN?** |
| Click here to enter text. |
| **What is the purpose of a Network interface card (NIC)?** |
| Click here to enter text. |
| **Wi-Fi and Mobile broadband**  **Define the term Wi-Fi and Wi-Fi direct** |
| Click here to enter text. |
| **Define the term wireless** |
| Click here to enter text. |
| **Give two benefits of using a wireless network in the home.** |
| Click here to enter text. |
| **Peer to peer network What is Bluetooth –How does it allow us to communicate wirelessly?** |
| Click here to enter text. |
| **What is the difference between bandwidth and Latency** |
| Click here to enter text. |



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| **PAIR Assessment opportunity** | |
| State one benefit and one limitation of mobile broadband. (2 marks) | D-C |
| Click here to enter text. | |
| Caroline is touring Europe and needs to use her laptop to access the internet to keep in touch with family and to upload photos. Explain the benefits of using Wi-Fi rather than her 4G dongle. (3 marks) | C-B |
| Click here to enter text. |  |
| Give two reasons to why Bluetooth is not used to network devices in a large office. (2 marks) | B-A |
| Click here to enter text. | |

**The internet service provider & Digital Divide!**

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| **Name two internet service providers** |
| Click here to enter text. |
| **What should you consider when selecting an ISP** |
| Click here to enter text. |
| **What ways do we communicate on the internet** |
| Click here to enter text. |
| **What things do you need to consider when selecting a ISP** |
| Click here to enter text. |
| **The digital divide causes** |
| Click here to enter text. |



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| **PAIR Assessment opportunity** | |
| Screen Clipping |  |
| Click here to enter text. | |
| **Screen Clipping** |  |
| Click here to enter text. |  |
| Screen Clipping |  |
| Click here to enter text. | |

**The internet security!**

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| **List three ways data can be stolen** |
| Click here to enter text. |
| **Define the following terms- Spyware, identity theft** |
| Click here to enter text. |
| **What is phishing?** |
| Click here to enter text. |
| **What are the physical threats and prevention** |
| Click here to enter text. |
| **Privacy is** |
| Click here to enter text. |
| **What are the threats to privacy and prevention** |
| Click here to enter text. |
| **What are hackers and how do we prevent them** |
| Click here to enter text. |
| **How do virus harm your computer? How can we prevent them?** |
| Click here to enter text. |
| **What are cookies** |
| Click here to enter text. |

**Privacy!**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | **Define the term Privacy** | | Click here to enter text. | | **What are the security issues associated with using digital devices?** | | Click here to enter text. | | What are the threats to privacy | | Click here to enter text. | | Define the term encryption | | Click here to enter text. | | Make a note of four ways ICT is used to monitor how we move about and how we communicate! | | Click here to enter text. | | What do you think is meant by the digital divide? | | Click here to enter text. | | What are the causes of unequal access within the UK? | | Click here to enter text. | | What are the causes of unequal access worldwide? | | Click here to enter text. | | Implication of the digital divide | | Economic  Educational  Social  Cultural | |



|  |  |
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| **PAIR Assessment opportunity** | |
| State two causes of the digital divide in the UK. (2 marks) |  |
|  | |
| * Many 12-15 year olds have access to the internet which cannot be supervised by an adult. * Discuss the problems that this might cause. (6 marks) |  |
| Click here to enter text. | |

**Legislation!**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | **List the four legislation Acts related to ICT** | | **Data Protection Act** | | Click here to enter text. | | **The Computer Misuse Act.** | | Click here to enter text. | | **The Copyright, Designs and Patents Act.** | | Click here to enter text. | | **The digital Economy Act** | | Click here to enter text. | |



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| |  |  | | --- | --- | | **PAIR Assessment opportunity** | | | Discuss the impact of the widespread use of the internet on the availability accuracy and control of online information about an individual (6) | 4 | | Click here to enter text. | | |