



Information Technology

Please complete one line from the task list below. All students must complete the middle task as part of their line:

<p>Research into various systems that enable and support remote working such as:</p> <ul style="list-style-type: none"> o VPNs o remote desktop technologies. 	<p>Define a network and then define the features and purposes of the following types of network:</p> <p>Local Area Network (LAN)</p> <p>Wide Area Network (WAN)</p> <p>Virtual Private Network (VPN)</p> <p>Personal Area Network (PAN)</p>	<p>Explain the use and impact on individuals of using cloud storage</p> <p>Explain the use and impact on organisations of using cloud storage.</p>
<p>Research into the features of the following systems and procedures used to protect the data of individuals and organisations.</p> <ul style="list-style-type: none"> o file permissions o access levels o backup and recovery procedures o passwords o physical access control o digital certificates o protocols. 	<p>Write a 400 word report on the benefits IT systems can bring to an organisation such as a school.</p>	<p>Research into the impact of the following accidental and malicious threats to the security and data, held in IT systems.</p> <ul style="list-style-type: none"> o viruses and other malware o hackers o phishing o accidental damage.
<p>Research into the legal issues relating to the use of IT systems such as:</p> <ul style="list-style-type: none"> o Computer Misuse Act 1990 o Copyright, Designs and Patents Act 1988 o The Health and Safety Regulations 1992 o Data protection legislation 	<p>Explain the benefits of each method below to collect information through primary and secondary sources such as:</p> <ul style="list-style-type: none"> o survey o questionnaire o focus groups o interview. 	<p>Research into how the features of online services are used to meet the needs of individuals and organisations such as:</p> <ul style="list-style-type: none"> o retail o financial services o education and training o news and information o entertainment and leisure

Suggested resource list:

<https://www.bbc.co.uk/bitesize/examspecs/zdjphbk>

Wider Reading:

Pearson BTEC Level 3 in Information Technology: Unit 1